AE Order Number Banner

Application Number: pDZD2621930347

Initial Application Part I

SWD-2709

ENDURING RESOURCES, LLC [372286]

Received: 6/17/2026

Revised March 23, 2017

RECEIVED:	REVIEWER:	TYPE:	APP NO:

ABOVE THIS TABLE FOR OCD DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
- Geological & Engineering Bureau –
1220 South St. Francis Drive, Santa Fe, NM 87505

ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Applicant: _____ **OGRID Number:** _____
Well Name: _____ **API:** _____
Pool: _____ **Pool Code:** _____

SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED BELOW

1) **TYPE OF APPLICATION:** Check those which apply for [A]
A. Location – Spacing Unit – Simultaneous Dedication
☐ NSL ☐ NSP(PROJECT AREA) ☐ NSP(PRORATION UNIT) ☐ SD

B. Check one only for [I] or [II]
[I] Commingling – Storage – Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM
[II] Injection – Disposal – Pressure Increase – Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

FOR OCD ONLY
☐ Notice Complete
☐ Application Content Complete

2) **NOTIFICATION REQUIRED TO:** Check those which apply.
A. ☐ Offset operators or lease holders
B. ☐ Royalty, overriding royalty owners, revenue owners
C. ☐ Application requires published notice
D. ☐ Notification and/or concurrent approval by SLO
E. ☐ Notification and/or concurrent approval by BLM
F. ☐ Surface owner
G. ☐ For all of the above, proof of notification or publication is attached, and/or,
H. ☐ No notice required

3) **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

_____ Date

_____ Print or Type Name

_____ Phone Number

Shaw-Marie Ford
_____ Signature

_____ e-mail Address

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

FORM C-108
Revised June 10, 2003

APPLICATION FOR AUTHORIZATION TO INJECT

I. PURPOSE: _____Secondary Recovery _____Pressure Maintenance ___X___Disposal _____Storage
Application qualifies for administrative approval? ___X___Yes _____No

II. OPERATOR: Enduring Resources, LLC

ADDRESS: 200 Energy Court, Farmington, New Mexico 87401

CONTACT PARTY: Shaw-Marie Ford PHONE: (505) 716-3297

III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.

IV. Is this an expansion of an existing project? _____Yes ___X___No
If yes, give the Division order number authorizing the project: _____

V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.

VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.

VII. Attach data on the proposed operation, including:

1. Proposed average and maximum daily rate and volume of fluids to be injected;
2. Whether the system is open or closed;
3. Proposed average and maximum injection pressure;
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).

*VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.

IX. Describe the proposed stimulation program, if any.

*X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).

*XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.

XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.

XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.

XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

NAME: Shaw-Marie Ford TITLE: Regulatory Specialist

SIGNATURE: Shaw-Marie Ford DATE: June 17, 2026

E-MAIL ADDRESS: sford@enduringresources.com

* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: _____

DISTRIBUTION: File Electronically Via OCD Permitting

Side 2

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

(1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.

(2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.

(3) A description of the tubing to be used including its size, lining material, and setting depth.

(4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

(1) The name of the injection formation and, if applicable, the field or pool name.

(2) The injection interval and whether it is perforated or open-hole.

(3) State if the well was drilled for injection or, if not, the original purpose of the well.

(4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.

(5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

(1) The name, address, phone number, and contact party for the applicant;

(2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;

(3) The formation name and depth with expected maximum injection rates and pressures; and,

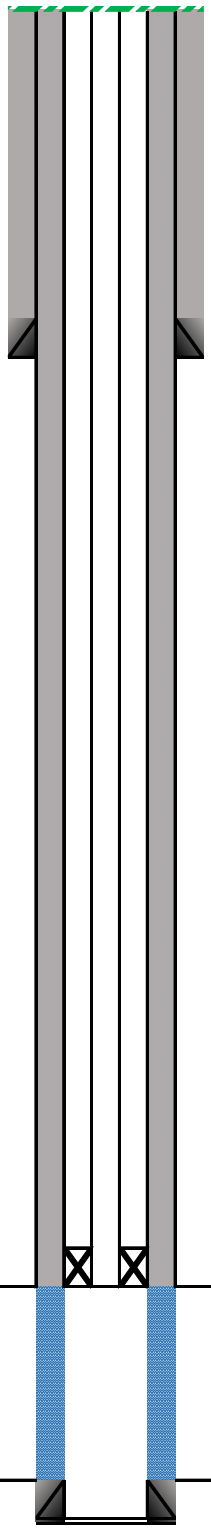
(4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

ENDURING RESOURCES, LLC
ACU SWD #001
PROPOSED WELLBORE DIAGRAM

Formation Tops	TVD (ft KB)
Ojo Alamo	941
Kirtland	1,006
Fruitland	1,201
Pictured Cliffs	1,476
Lewis	1,601
Chacra	1,876
Cliff House	2,946
Menefee	2,996
Point Lookout	3,856
Mancos	4,036
MNCS_G	4,991
Basal Niobrara	5,136
Juana Lopez	5,446
Greenhorn	5,826
Graneros	5,866
Dakota	5,911
Burro Canyon	6,111
Morrison	6,211
Bluff Ss	6,506
Salt Wash Basin	6,806
Smallville	6,991
Todilto	7,066
Entrada	7,086
Chinle	7,316
TARGET TVD	7,666



12.25" Hole F/0' - T/500'

9.625" 36# K55 STC Surface Casing to 500'

158 sacks - Type I-II Cement
14.5 ppg 1.61 yield 7.41 gps
Calculation Method: Circulates to Surface

8.75" Hole F/500' - T/7666'

7" 26# L80 LTC Production Casing to 7666'

Lead: 1281 sacks - Type IntgraCemXTL Cement
11.8 ppg 1.66 yield 9.3 gps

Tail: 274 sacks - Type G Cement
13.0 ppg 1.63 yield 8.2 gps
Calculation Method: Circulates to Surface

Top of cement will be verified by CBL

≤4.5" 12# L80 EUE internally coated injection tubing set on a AS1-X or equivalent injection packer at 6986'

Planned Injection Interval 230-ft

Primary Injection Target: Entrada Sandstone
Injection will occur through perforations F/7086' - T/7316'.

Target TVD: 7666' *(includes 350' of rat hole)*

Side 2

INJECTION WELL DATA SHEET

Tubing Size: 4.5" Lining Material: plastic

Type of Packer: 7" x 4.5" ASI-X 10k nickel coated

Packer Setting Depth: 50' above the upper most perforation

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? X Yes _____ No

   If no, for what purpose was the well originally drilled? _____

2. Name of the Injection Formation: Entrada Sandstone

3. Name of Field or Pool (if applicable): Pool Code: 96436 Pool Name: SWD; Entrada

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. n/a

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: See attached

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024 Submittal Type: ☒ Initial Submittal ☐ Amended Report ☐ As Drilled

WELL LOCATION INFORMATION

API Number	Pool Code	Pool Name
	321251	ENTRADA

Property Code	Property Name	Well Number
	ACU SWD	001

OGRID No.	Operator Name	Ground Level Elevation
372286	ENDURING RESOURCES, LLC	6962'

Surface Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal

Mineral Owner: ☐ State ☐ Fee ☒ Tribal ☒ Federal

Surface Location

UL	Section	Township	Range	Lot	Feet from N/S Line	Feet from E/W Line	Latitude	Longitude	County
O	11	22N	7W		537' SOUTH	2281' EAST	36.147954 °N	-107.543523 °W	SANDOVAL

Bottom Hole Location

UL	Section	Township	Range	Lot	Feet from N/S Line	Feet from E/W Line	Latitude	Longitude	County
O	11	22N	7W		537' SOUTH	2281' EAST	36.147954 °N	-107.543523 °W	SANDOVAL

Dedicated Acres	Penetrated Spacing Unit	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit	Consolidation Code
640.00	Entire Section 11, T22N, R7W			☐ Yes ☐ No	UNIT

Order Numbers: R-14142 & R-24088

Well setbacks are under Common Ownership: ☒ Yes ☐ No

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet from N/S Line	Feet from E/W Line	Latitude	Longitude	County
O	11	22N	7W		537' SOUTH	2281' EAST	36.147954 °N	-107.543523 °W	SANDOVAL

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet from N/S Line	Feet from E/W Line	Latitude	Longitude	County

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet from N/S Line	Feet from E/W Line	Latitude	Longitude	County

Unitized Area or Area of Uniform Interest	Spacing Unit Type	Ground Floor Elevation
	☐ Horizontal ☒ Vertical ☐ Directional	

OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.

Shaw-Marie Ford
Signature

4/17/2026
Date

Shaw-Marie Ford
Printed Name

sford@enduringresources.com
E-mail Address

SURVEYOR CERTIFICATION

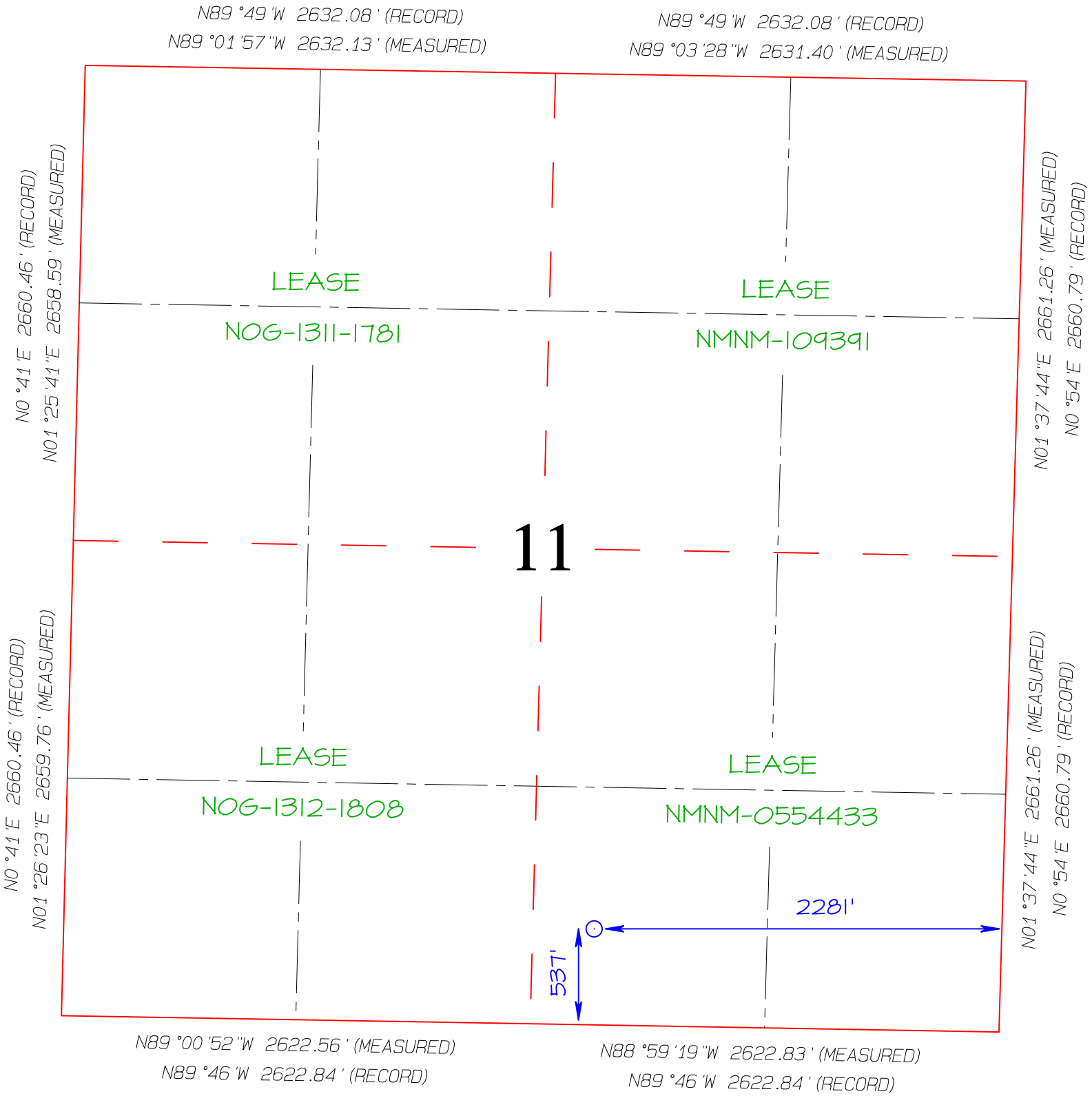
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

JASON C. EDWARDS
Signature and Seal of Professional Surveyor

Certificate Number	Date of Survey
15269	APRIL 30, 2024

Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

ACU SWD #001



SURFACE LOCATION
537' FSL 2281' FEL
SECTION 11, T22N, R7W

LAT 36.147954 °N
LONG -107.543523 °W
DATUM: NAD1983

Enduring Resources, LLC
Application For Authorization to Inject
ACU SWD #001

ITEM –I

Enduring Resources, LLC is hereby making an application for Administrative Approval to dispose of produced water by underground injection. The proposed underground injection site is known as the **ACU SWD #001.**

ITEM II – OPERATOR CONTACT

Enduring Resources, LLC
200 Energy Court, Farmington, NM 87401
Shaw-Marie Ford, Regulatory Specialist
E: sford@enduringresources.com M: (505) 716-3297

ITEM III – WELL DATA

Surface Ownership:
This project is located on public lands managed by the Bureau of Land Management-Farmington Field Office.

Surface Location:

537’ FSL & 2281’ FEL
SWSE O-11-T22N-R7W
Latitude: 36.147954°N Longitude: -107.543523°W
Lease No. NMNM0554433 Unit No. NMNM106366944
Order No. R-14142 and R-24088
Sandoval County, New Mexico

The proposed injection well is a new drill for the purpose of produced water disposal from wells operated by Enduring Resources, LLC.
Name of formation: Entrada Sandstone
Subsurface depth interval zone: 7086’ - 7316’
Thickness of proposed zone: 975’
Proposed average injection pressure will be 800 psi.
Proposed maximum injection pressure of 1,492 psi.
Proposed average injection rate will be 8,000 Bbls/day.
Proposed maximum injection rate of 12,000 Bbls/day.

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024 Submittal Type: ☒ Initial Submittal ☐ Amended Report ☐ As Drilled

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640.00	Entire Section 11, T22N, R7W			☐ Yes ☐ No	UNIT

Order Numbers: R-14142 & R-24088

Well setbacks are under Common Ownership: ☒ Yes ☐ No

Kick Off Point (KOP)

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Shaw-Marie Ford
Signature

4/17/2026
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I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

JASON C. EDWARDS NEW MEXICO 15269 4/17/2026 REGISTERED PROFESSIONAL SURVEYOR

JASON C. EDWARDS
Signature and Seal of Professional Surveyor

Certificate Number	Date of Survey
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Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

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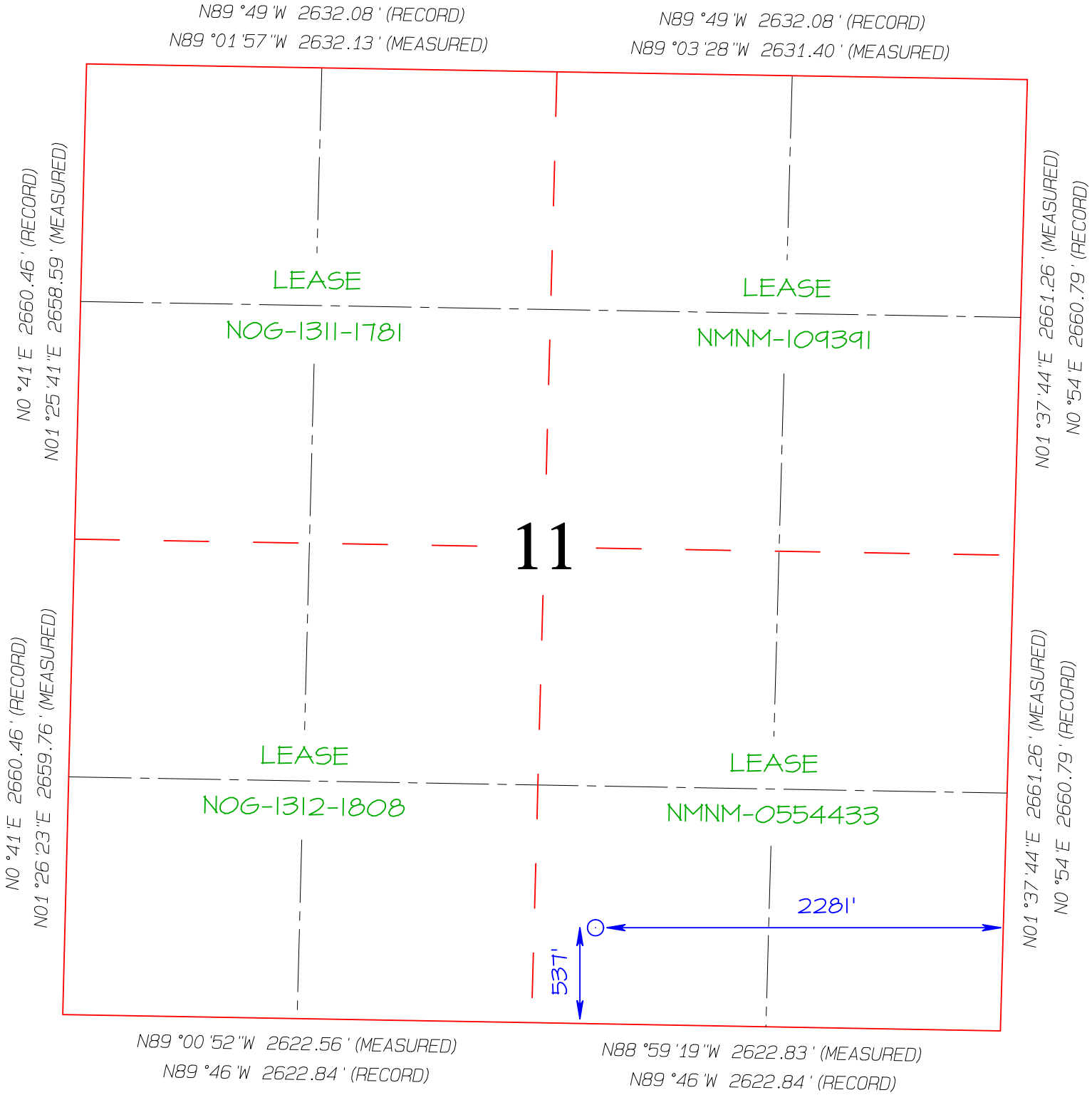

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ACU SWD #001
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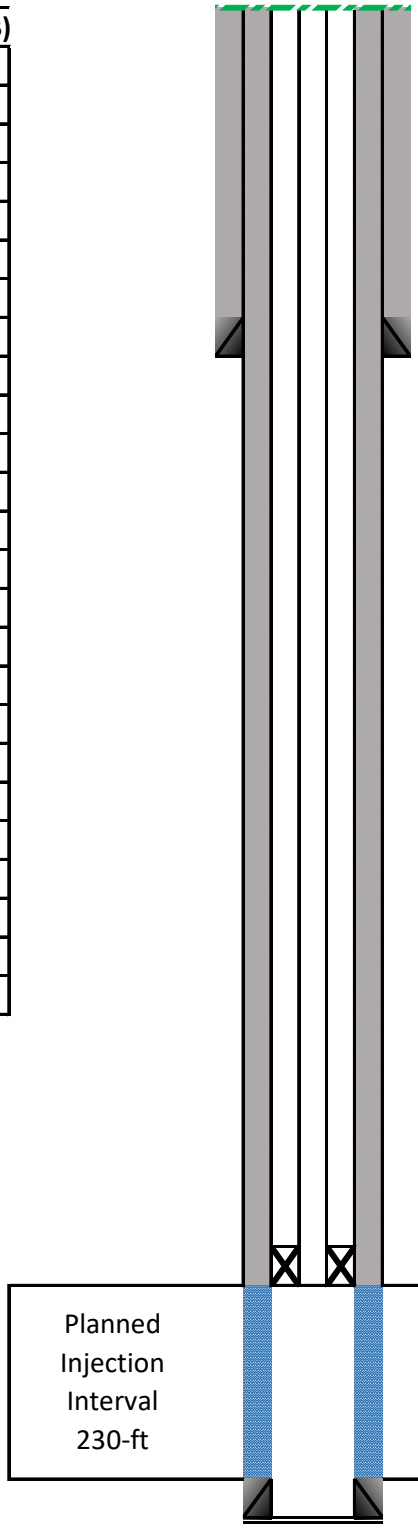

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≤4.5" 12# L80 EUE internally coated injection tubing set on a AS1-X or equivalent injection packer at 6986'

Primary Injection Target: Entrada Sandstone
Injection will occur through perforations F/7086' - T/7316'.

Target TVD: 7666' *(includes 350' of rat hole)*

Weatherford

Packer Systems

Arrowset I-XS Mechanical Packer

Weatherford's Arrowset I-XS mechanical packer is a versatile, field-proven retrievable double-grip packer for isolating the annulus from the production conduit. The packer can be set with tension or compression.

A patented upper-slip releasing system reduces the force required to release the packer. A nondirectional slip is released first, making it easier to release the other slips. The packer also has a straight-pull safety release.

Applications

- Production
- Pumping
- Injection
- Fiberglass tubing
- Completions requiring periodic casing-integrity tests
- Zonal isolation

Features, Advantages and Benefits

- The design holds differential pressure from above or below, enabling the packer to meet most production, stimulation, and injection needs.
- The packer can be set with compression or tension, enabling deployment in shallow and deep applications.
- The packer can be set and released with only a one-quarter turn of the tubing.
- The bypass valve is below the upper slips so that debris is washed from the slips when the valve is opened, reducing the times for circulation and total retrieval.
- The packer can be run with Weatherford's T-2 on-off tool, which enables the tubing to be disconnected and retrieved without retrieving the packer.

Weatherford

Packer Systems

Arrowset I-XS Mechanical Packer

Specifications

Casing				Packer			
OD (in./mm)	Weight (lb/ft, kg/m)	Minimum ID (in./mm)	Maximum ID (in./mm)	Maximum OD (in./mm)	Minimum ID (in./mm)	Standard Thread Connection (in./mm)	Product Number
4-1/2 114.3	9.5 to 13.5 14.1 to 20.1	3.920 99.57	4.090 103.89	3.750 95.25	1.985 50.42	2-3/8 EUE 8 Rd	604-45
5-1/2 139.7	14.0 to 17.0 20.8 to 25.3	4.892 124.26	5.012 127.30	4.515 114.68	1.985 50.42	2-3/8 EUE 8 Rd	604-55
				4.625 117.48		2-7/8 EUE 8 Rd	604-56
	20.0 to 23.0 29.8 to 34.2	4.670 118.62	4.778 121.36	4.515 114.68		2-3/8 EUE 8 Rd	604-57
						2-7/8 EUE 8 Rd	604-59-000
6-5/8 168.3	24.0 to 32.0 35.7 to 47.6	5.675 144.15	5.921 150.39	5.515 140.08	2.375 60.33	2-7/8 EUE 8 Rd	604-65
	17.0 to 24.0 25.3 to 35.7	5.921 150.39	6.135 155.83	5.750 146.00			604-68
7 177.8	17.0 to 26.0 25.7 to 39.3	6.276 159.41	6.538 166.07	5.515 140.08	2.375 60.33	2-7/8 EUE 8 Rd	604-72
				6.000 152.40	3.000 76.20	3-1/2 EUE 8 Rd	604-74

Options

- Elastomer options are available for hostile environments.

For internal use

Link to Endeca assembly part numbers: Arrowset I-XS Mechanical Packer

Enduring Resources, LLC
Application For Authorization to Inject
ACU SWD #001

Surface Casing

Hole size: 12.125". Steel casing size: 9.625" 36 lb J55 STC. Set depth: F/surface – T/500'. Cement: Type I-II, 254 bbls (158sx)14.5 ppg, 1.61 yield, 7.41 gps. TOC: Surface BOC: 500'. Methodology for determining top of cement: Circulates to Surface.

SURFACE: *Drill vertically to casing setting depth (plus necessary rathole), run casing, cement casing to surface.*

0 ft (MD)	to	500 ft (MD)	Hole Section Length:	500 ft
0 ft (TVD)	to	500 ft (TVD)	Casing Required:	500 ft

Note: Surface hole may be drilled, cased, and cemented with a smaller rig in advance of the drilling rig.

Fluid:	Type	MW (ppg)	FL (mL/30 min)	PV (cp)	YP (lb/100 sqft)	pH	Comments
	Fresh Water	8.4	N/C	2 - 8	2 - 12	9.0	Spud mud

Hole Size: 12-1/4"
Bit / Motor: Mill Tooth or PDC, no motor
MWD / Survey: No MWD, deviation survey
Logging: None
Procedure: Drill to TD. After reaching TD, run gyro survey in 100' stations from TD to surface. Wiper trip. Condition hole and fluid for casing running. TOH. Run casing. Pump cement as detailed below. Monitor returns during cement job and note cement volume to surface. Install cellar and wellhead.

Casing Specs:		Wt (lb/ft)	Grade	Conn.	Collapse (psi)	Burst (psi)	Tens. Body (lbs)	Tens. Conn (lbs)
Specs	9.625	36.0	K-55	STC	2,020	3,520	564,000	423,000
Loading					218	1,638	115,697	115,697
Min. S.F.					**9.25**	**2.15**	**4.87**	**3.66**

Assumptions: Collapse: fully evacuated casing with 8.4 ppg equivalent external pressure gradient
Burst: maximum anticipated surface pressure with 9.5 ppg fluid inside casing while drilling intermediate hole and 8.4 ppg equivalent external pressure gradient
Tension: buoyed weight in 8.4 ppg fluid with 100,000 lbs over-pull

MU Torque (ft lbs): *Minumum: 3,400 Optimum: 4,530 Maximum: 5,660*

Casing Summary: Float shoe, 1 jt casing, float collar, casing to surface
Centralizers: 2 centralizers per jt stop-banded 10' from each collar on bottom 3 jts, 1 centralizer per 2 jts to surface

Cement:	Type	Weight (ppg)	Yield (cuft/sk)	Water (gal/sk)	Hole Cap. (cuft/ft)	% Excess	Planned TOC (ft MD)	Total Cmt (sx)	Total Cmt (cu ft)
Redi-Mix	TYPE I-II	14.5	1.61	7.41	0.3132	50%	0	158	254

Calculated cement volumes assume gauge hole and the excess noted in table Csg ID 8.921
Mesa Ready Mix or first available Shoe Track L 44
Notify NMOCD & BLM if cement is not circulated to surface. Cement must achieve 500 psi compressive strength before drilling out.

Enduring Resources, LLC
Application For Authorization to Inject
ACU SWD #001

Production Casing

Hole size: 8.75". Steel casing size: 7.0" 26 lb L80 LTC. Set depth: F/surface – T/7666'. Two Stage Cement. LEAD: Type IC XTL, 2126 bbls (1281sx) 11.8 ppg, 1.66 yield, 9.3 gps. TOC: Surface BOC: 5726'. TAIL: Type G, 447 bbls (274sx) 13.0 ppg, 1.63 yield, 8.2 gps. TOC: 5726' BOC: 7666'. Methodology for determining top of cement: Circulates to Surface.

PRODUCTION:	*Drill as per directional plan to casing setting depth, run casing, cement casing to surface.*								
	500 ft (MD)		to	7,666 ft (MD)		Hole Section Length:	7,166 ft		
	500 ft (TVD)		to	7,666 ft (TVD)		Casing Required:	7,666 ft		
	Estimated BHST = 180° F								
Fluid:	**Type**	**MW (ppg)**	**FL (mL/30 min)**	**PV (cp)**	**YP (lb/100 sqft)**	**pH**	**Comments**		
	LSND (KCl)	8.8 - 9.2	15	8 - 12	6 - 12	10.8 - 11.2	No OBM		
Hole Size (inches):	8.75								
Bit / Motor:	8-3/4" PDC bit w/mud motor								
MWD / Survey:	MWD Survey with inclination and azimuth survey (every 100' at a minimum), GR optional								
Logging:	None								
Pressure Test:	NU BOPE and test (as noted above); pressure test 9-5/8" casing to					1,686	psi for 30 minutes.		
Casing Specs:		**Wt (lb/ft)**	**Grade**	**Conn.**	**Collapse (psi)**	**Burst (psi)**	**Tens. Body (lbs)**	**Tens. Conn (lbs)**	
Specs	7	26.0	L80	LTC	5,410	7,240	604,000	519,000	
Loading					3,348	2,058	273,802	273,802	
Min. S.F.					**1.62**	**3.52**	**2.21**	**1.90**	
Assumptions:	*Collapse: fully evacuated casing with 8.4 ppg equivalent external pressure gradient*								
	Burst: maximum anticipated surface pressure with 9.5 ppg fluid inside casing while drilling production hole and 8.4 ppg equivalent external pressure gradient								
	Tension: buoyed weight in 8.4 ppg fluid with 100,000 lbs over-pull								
MU Torque (ft lbs):	*Minumum:*	*3,830*	*Optimum:*	*5,110*	*Maximum:*	*6,390*			
Centralizers:	1 per joint in non-vertical hole; 1 per 2-joints in vertical hole								
Cement:	**Type**	**Weight (ppg)**	**Yield (cuft/sk)**	**Water (gal/sk)**	**% Excess**	**Planned TOC (ft MD)**	**Total Cmt (sx)**	**Total Cmt (cu ft)**	
Spacer	Poz spacer	10		35.3		0	40 bbls		
Lead	IntegraCem XTL	11.8	1.660	9.3	160%	0	1,281	2,126	
Tail	Class G	13.0	1.630	8.2	50%	5,726	274	447	
Annular Capacity	0.16681	cuft/ft	*7" casing x 9-5/8" casing annulus*				Shoe Track L	44	
	0.1503	cuft/ft	*7" casing x 8-3/4" hole annulus*				Casing ID	6.276	
	0.2148	cuft/ft	*7" casing casing volume*						
	Calculated cement volumes assume gauge hole and the excess noted in table								
	NOTE: Plan on setting slips on this to minimize the possibl plugging issues								
Spacer	*Pozzolan Fly ash 100.8 lbs/bbl*	ASA-301 viscosifier 4.0 lb/bbl	SAPP Surfactant 10 lb/bbl	Xcem-1205 LCM 10 lb/bbl	Xcem-311 Defoamer .8 lb/bbl				
Lead/Tail	*ASTM Type IL 40%*	IntegraCem XTL AEXT-1012 Entender 60%	IntegraGuard GW-86 Viscosity 0.2% BWOB	KCl Salt 3.0% BWOW	R7C Retarder 0.170% BWOB	*Xcem-1205 LCM 2 lb/sx*	Xcem 532 Fluid Loss 0.3% BWOB	Xcem-311 Defoamer 0.3% BWOB	
Tail	*Type G 50%*	Pozzolan Fly Ash Extender 50%	Bentonite Viscosifier 4% BWOB	FL24 Fluid Loss .4% BWOB	IntegraGuard GW86 Viscosif. 0.05% BWOB	R3 Retarder 0.15% BWOB	Xcem-1205 Loss Circulation 2 lb/sx	Xcem-311 Defoamer 0.3% BWOB	
Displacement	*Produced water plus biocide*								

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Injection Tubing
4.5” 11.6 lb L80 EUE Internally plastic coated tubing set 50’ above the upper most perforation.

Packer
7” x 4.5” ASI-X, 10k nickel coated set 50’ above the upper most perforation.

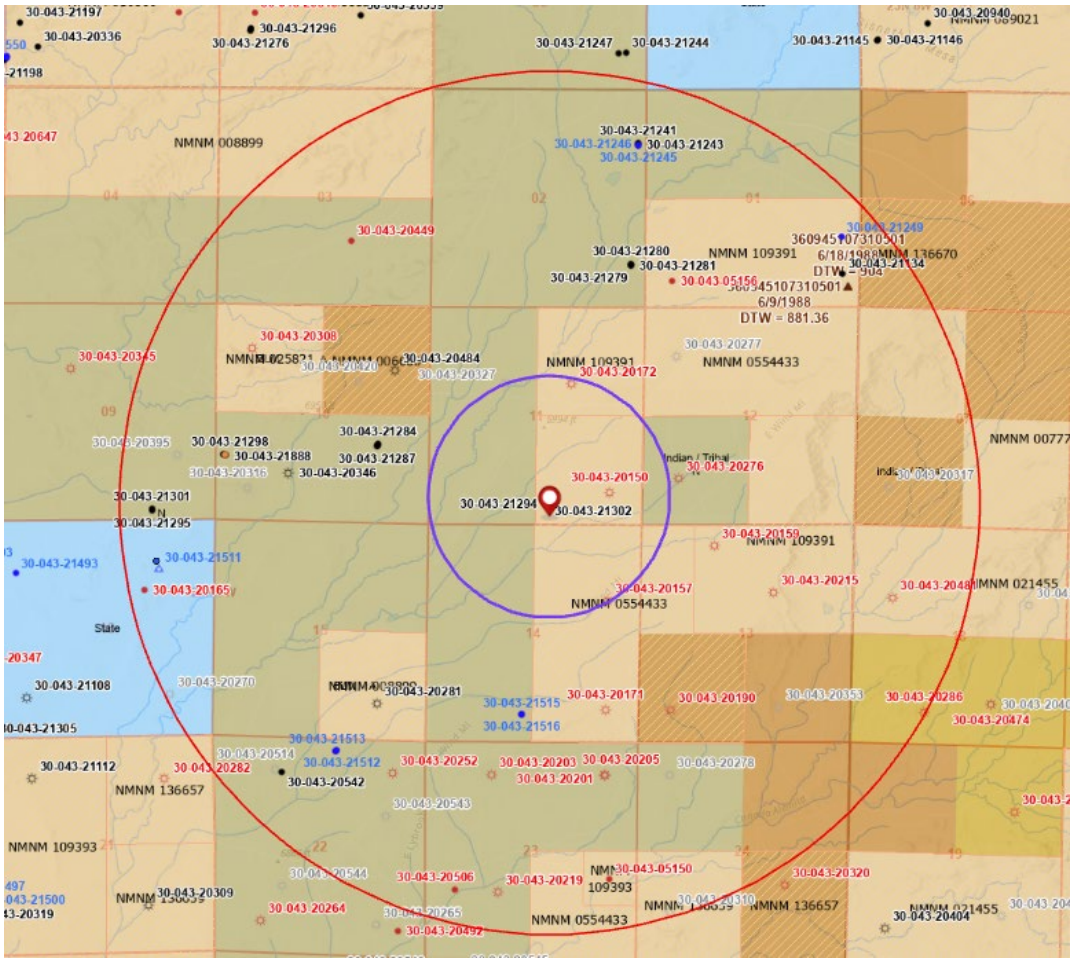
Enduring Resources, LLC
Application For Authorization to Inject
ACU SWD #001

ITEM IV – EXISTING PROJECT

The proposed ACU SWD #001 injection well is not an expansion of an existing project. A Division Order Number authorizing this SWD has not yet been assigned.

ITEM V – AREA OF REVIEW MAP

Map Identifying all Wells and Leases within Two Miles
with One-Half Mile Area of Review

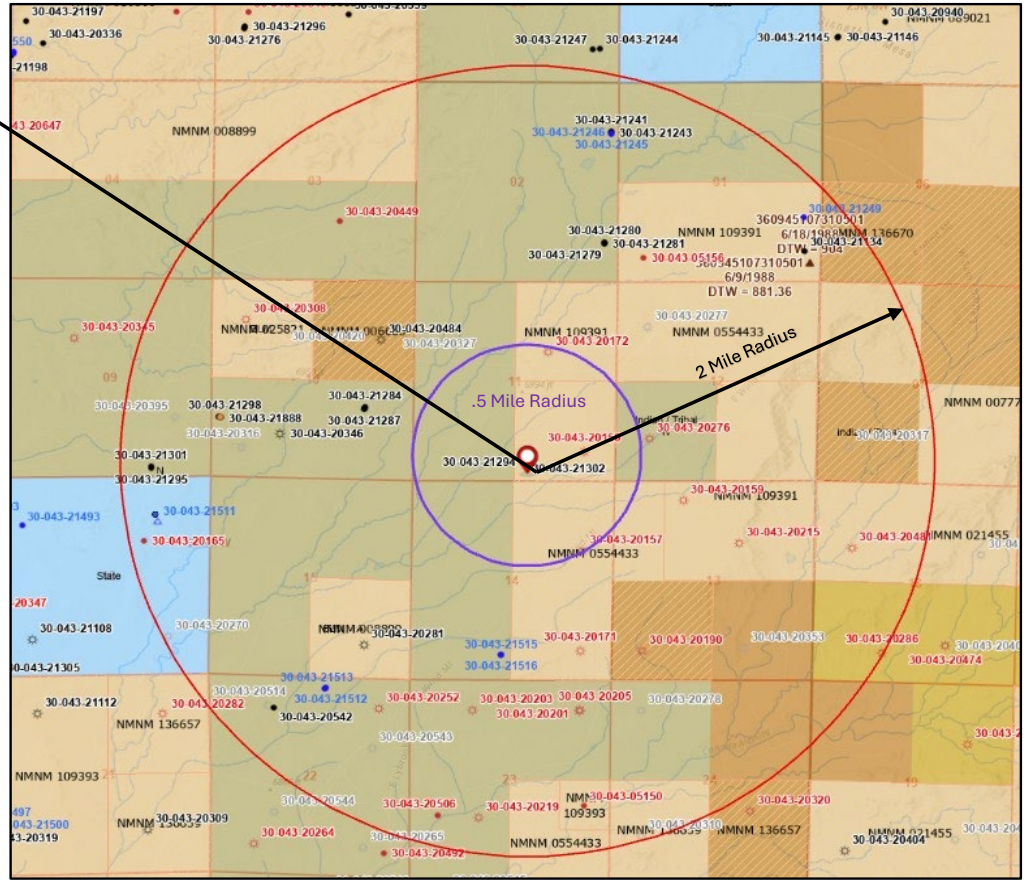


C-108 ITEM V – AREA OF REVIEW

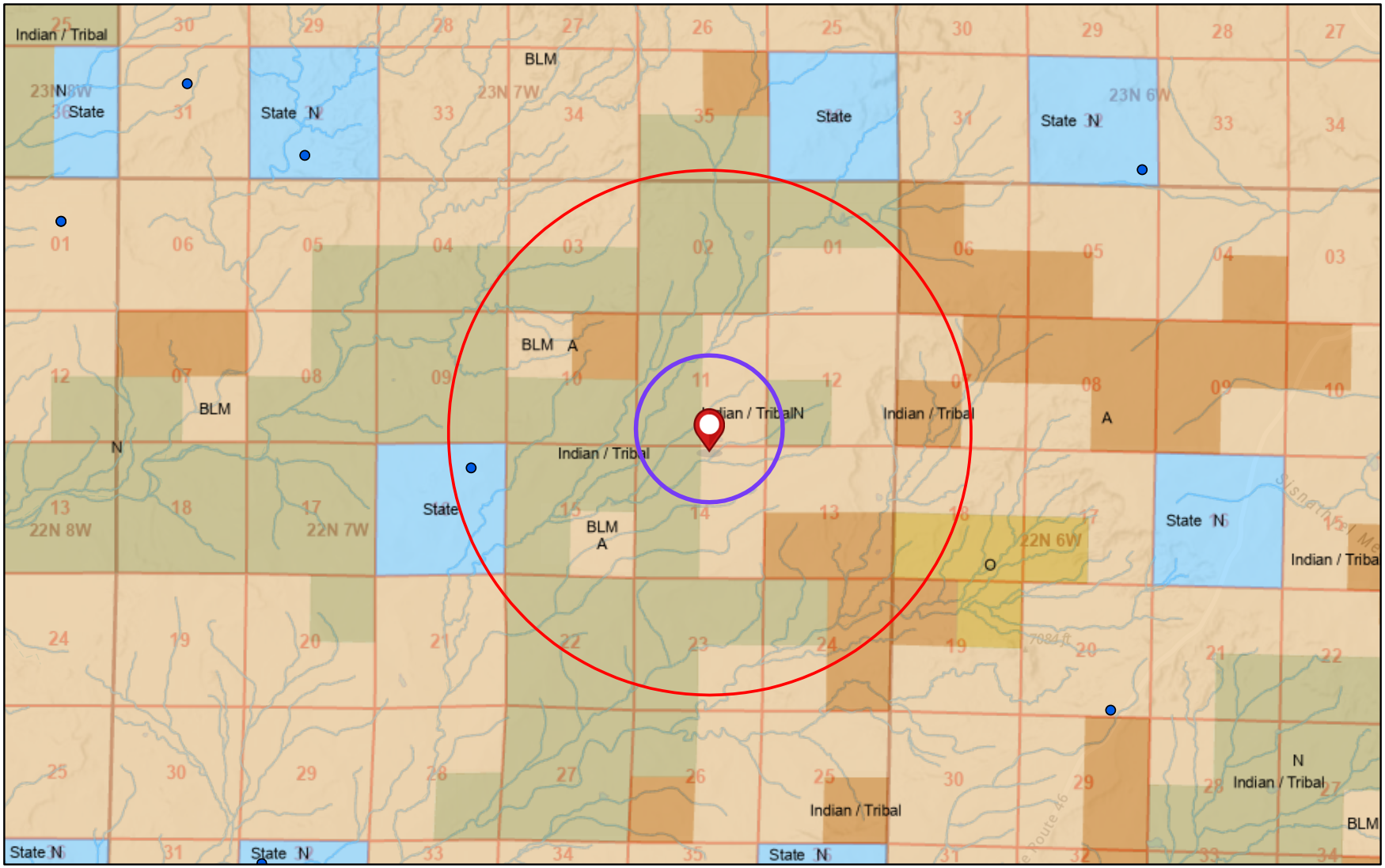
ACU SWD #1
537' FSL & 2281' FEL
Sec. 11, Twp 22N, Rng 7W
Lat: 36.147954, Long: -107.543523

.5 Miles
2 Active 30-043-21302
30-043-21294
1 P&A 30-043-20150

2 Miles
21 Active
12 Cancelled
9 New
21 Plugged (site released)
1 Inactive (TA)



Surface Ownership



4/22/2026, 10:44:00 AM

1:82,569

0 0.5 1 2 mi

0 0.75 1.5 3 km

Override 1
OSE Points of Diversion
USGS Historical GW Wells
Authorized

Mineral Ownership
A-All minerals are owned by U.S.
C-Only coal is owned by the U.S.
N-No minerals are owned by the U.S.
O-Only oil and gas are owned by the U.S.

Land Ownership
BLM
I
P
S

OSW Water Bodys
OSE Streams
PLSS First Division
PLSS Townships

ACU SWD #001

USGS, U.S. Department of Interior, Bureau of Land Management (BLM), US Census Bureau, NMDOT, U.S. BLM, NM OSE, BLM, Sources: Esri, TomTom, New Mexico Oil Conservation Division

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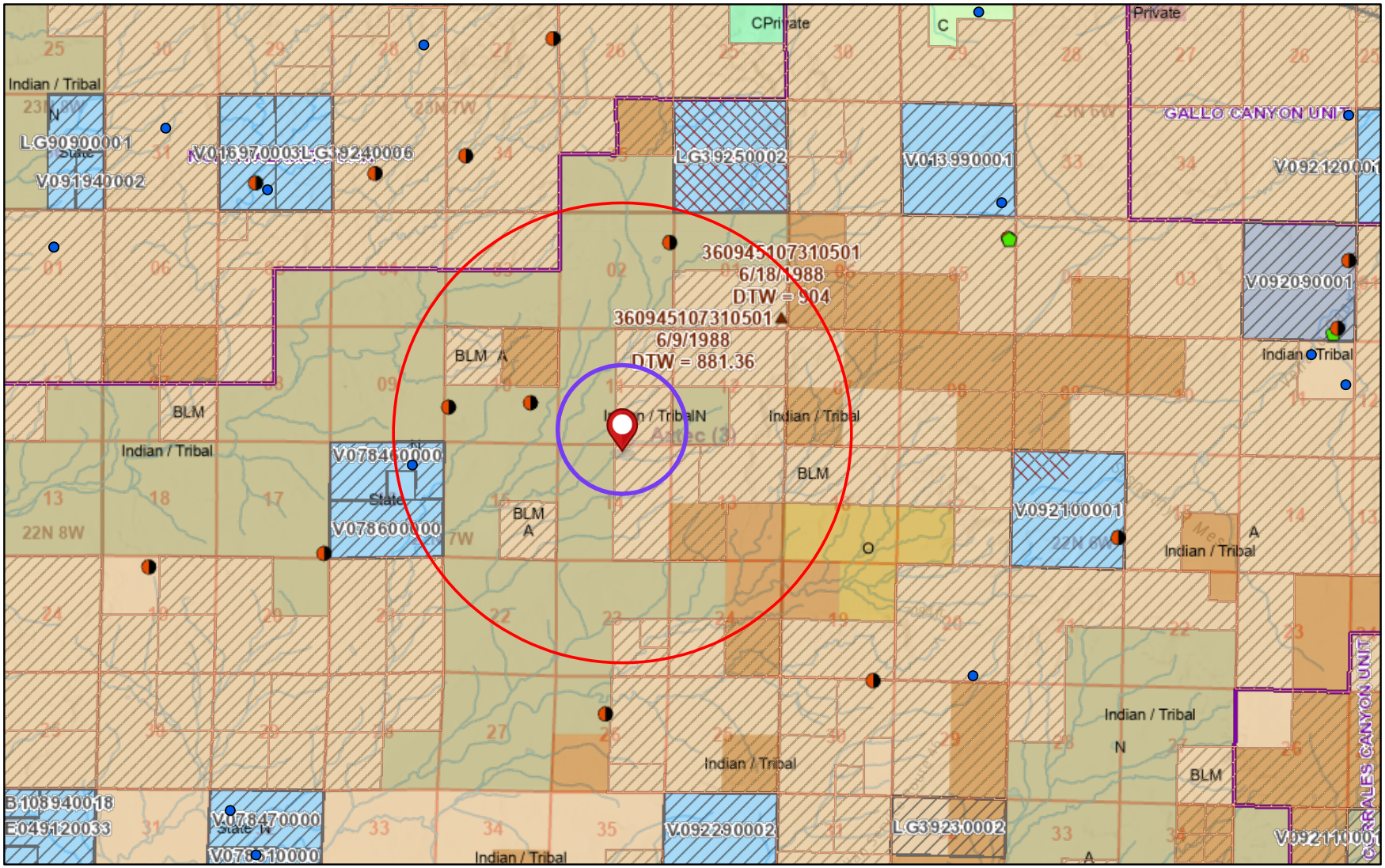
NM OCD Oil and Gas Map. http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2fb9f8f35ca75: New Mexico Oil Conservation Division

Depth to Water



4/22/2026, 10:37:34 AM

1:94,230

0 0.5 1 2 mi

0 1 2 4 km

Override 1
OSE Points of Diversion
Facility
Other
Tank
USGS Historical GW Wells
Authorized
Oil and Gas Leasing Restrictions
Oil and Gas Leases
Participating Areas in Units
Unit Agreement Boundaries
NMDOT GPS ROADS
Mineral Ownership
A-All minerals are owned by U.S.
C-Only coal is owned by the U.S.
N-No minerals are owned by the U.S.
O-Only oil and gas are owned by the U.S.
Land Ownership
BLM
I
P
S
OSW Water Bodys
OSE Streams
OCD Districts
PLSS First Division
PLSS Townships

Oil Conservation Division of the New Mexico Energy, Minerals and Natural Resources Department., USGS, U.S. Department of Interior, Bureau of Land

ACU SWD #001

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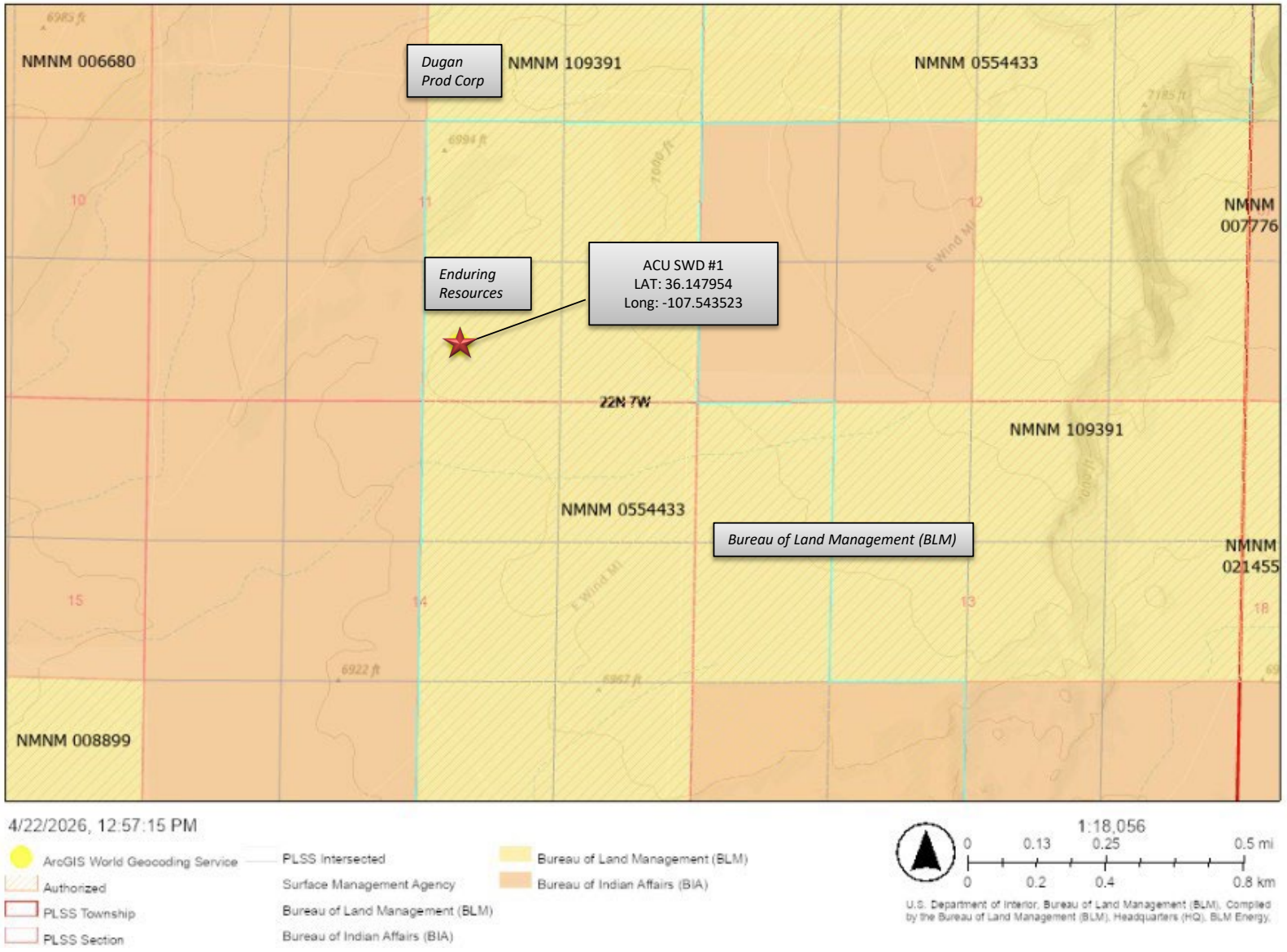
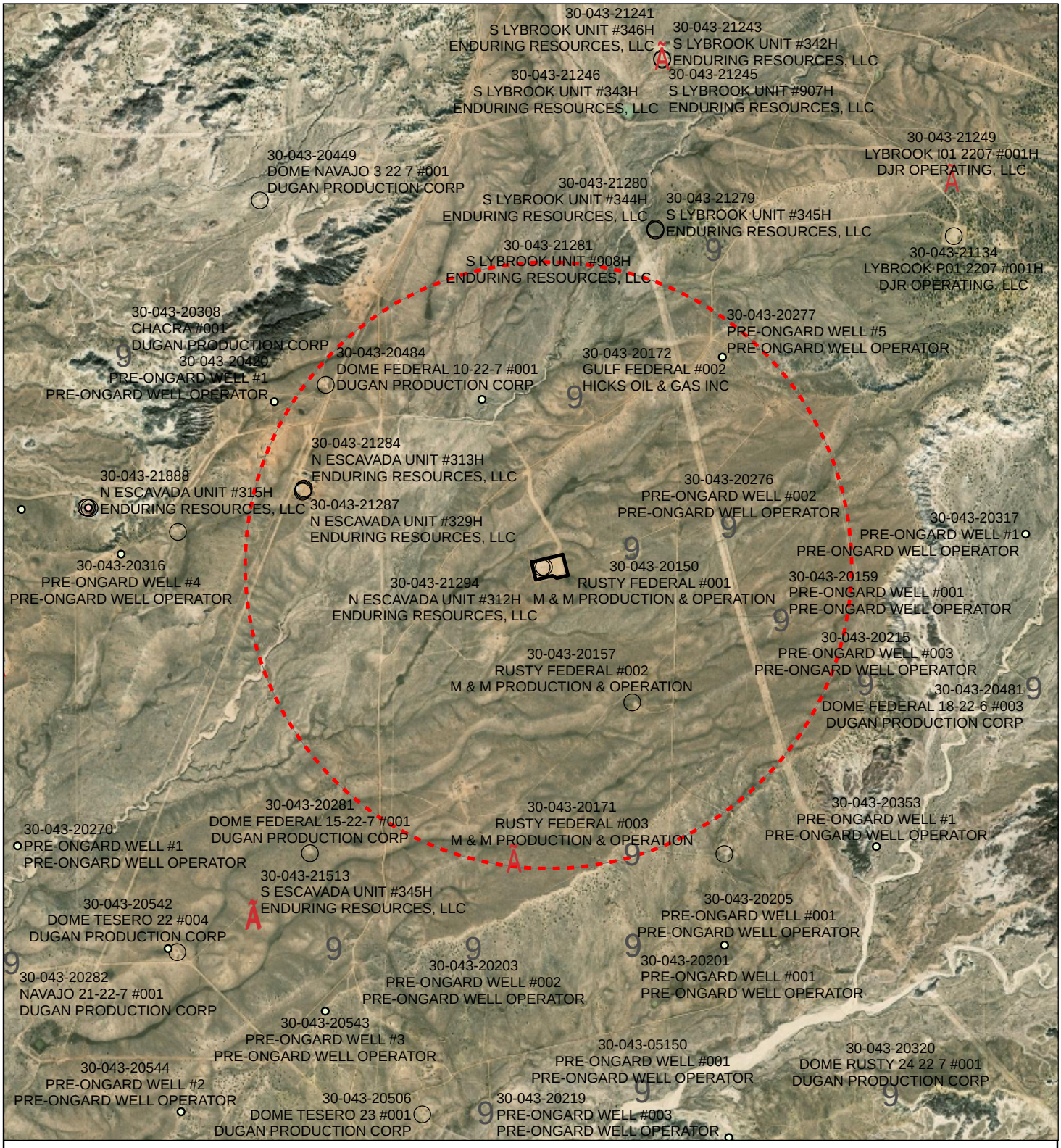
New Mexico Oil Conservation Division

NM OCD Oil and Gas Map. http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2fb9f8f35ca75: New Mexico Oil Conservation Division

ACU SWD #1 - Lease / Affected Party





ACU SWD #001

- Active
- New
- Plugged (site released)
- Cancelled
- Temporary Abandonment

OSE Points of Diversion
1MileBuffer
WELLPAD

0 1,500 3,000 6,000 Feet

ENDURING RESOURCES, LLC

Data Source Statement:
BLM, EOG, Enduring Resources GIS, ESRI Inc., NCE Surveys, USGS

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NAD 1983 2011 StatePlane New Mexico West FIPS 3003 Ft US	Author: drogers	Date: 6/4/2025

Enduring Resources, LLC
Application For Authorization to Inject
ACU SWD #001

ITEM VI – TABULATION OF WELL DATA

HALF MILE AREA OF REVIEW

3 - wells penetrate the proposed injection zone

2 - Active wells
1 - Plugged (site released)

TWO MILES OF PROPOSED ACU SWD #1

21 - Active wells
1 - Inactive wells
9 - wells listed as NEW – these are non-existent and/or APDs have expired
12 - Cancelled wells
21 - wells are Plugged (site released)

ACU SWD #1

ITEM VI - TABULATION OF WELL DATA

API	OPERATOR	WELL NAME	TYPE	STATUS	ULSTR	MD	TVD	POOL	SPUD	PLUG
30-043-21249	DJR OPERATING, LLC	LYBROOK I01 2207 #001H	Oil	New	I-01-22N-07W	0	0	[42289] LYBROOK GALLUP	12/30/9999	-
30-043-21134	DJR OPERATING, LLC	LYBROOK P01 2207 #001H	Oil	Active	P-01-22N-07W	9,640	5,359	[42289] LYBROOK GALLUP	3/23/2013	-
30-043-20542	DUGAN PRODUCTION CORP	DOME TESERO 22 #004	Oil	Active	C-22-22N-07W	5,000	5,000	[52860] RUSTY GALLUP	2/20/1981	-
30-043-20308	DUGAN PRODUCTION CORP	CHACRA #001	Gas	Plugged-R P&A Diagram Attached	D-10-22N-07W	2,105	2,105	[84360] RUSTY CHACRA (GAS)	2/8/1978	2/8/2021
30-043-20481	DUGAN PRODUCTION CORP	DOME FEDERAL 18-22-6 #003	Gas	Plugged-R P&A Diagram Attached	E-18-22N-06W	2,300	2,300	[84360] RUSTY CHACRA (GAS)	9/13/1980	5/1/2023
30-043-20484	DUGAN PRODUCTION CORP	DOME FEDERAL 10-22-7 #001	Gas	Active	H-10-22N-07W	2,320	2,320	[84360] RUSTY CHACRA (GAS)	9/9/1980	-
30-043-20449	DUGAN PRODUCTION CORP	DOME NAVAJO 3 22 7 #001	Oil	Plugged-R P&A Diagram Attached	J-03-22N-07W	5,208	5,208	[1039] ALAMITO-GALLUP (O)	2/12/1980	2/5/2026
30-043-20506	DUGAN PRODUCTION CORP	DOME TESERO 23 #001	Oil	Plugged-R P&A Diagram Attached	L-23-22N-07W	4,800	4,800	[52860] RUSTY GALLUP	10/29/1980	1/21/2026
30-043-20346	DUGAN PRODUCTION CORP	NAVAJO 10-22-7 #001	Gas	Active	N-10-22N-07W	2,050	2,050	[84360] RUSTY CHACRA (GAS)	7/12/1978	-
30-043-20286	DUGAN PRODUCTION CORP	NAVAJO 18 #001	Gas	Plugged-R P&A Diagram Attached	N-18-22N-06W	21,450	21,450	[84360] RUSTY CHACRA (GAS)	4/29/1978	12/12/2001
30-043-20281	DUGAN PRODUCTION CORP	DOME FEDERAL 15-22-7 #001	Gas	Active	P-15-22N-07W	1,950	1,950	[84360] RUSTY CHACRA (GAS)	1/15/1979	-
30-043-21243	ENDURING RESOURCES, LLC	S LYBROOK UNIT #342H	Oil	Active	A-02-22N-07W	10,349	10,340	[42289] LYBROOK GALLUP	4/15/2015	-
30-043-21241	ENDURING RESOURCES, LLC	S LYBROOK UNIT #346H	Oil	Active	A-02-22N-07W	10,497	10,487	[42289] LYBROOK GALLUP	4/16/2015	-
30-043-21511	ENDURING RESOURCES, LLC	NEU 2207 16B SWD #001	SWD	New	B-16-22N-07W	0	0	[96436] SWD, ENTRADA	12/30/9999	-
30-043-21512	ENDURING RESOURCES, LLC	S ESCAVADA UNIT #337H	Oil	New	B-22-22N-07W	0	0	[52860] RUSTY GALLUP	12/30/9999	-
30-043-21513	ENDURING RESOURCES, LLC	S ESCAVADA UNIT #345H	Oil	New	B-22-22N-07W	0	0	[52860] RUSTY GALLUP	12/30/9999	-
30-043-21514	ENDURING RESOURCES, LLC	S ESCAVADA UNIT #346H	Oil	New	B-22-22N-07W	0	0	[52860] RUSTY GALLUP	12/30/9999	-
30-043-21246	ENDURING RESOURCES, LLC	S LYBROOK UNIT #343H	Oil	New	H-02-22N-07W	0	0	[42289] LYBROOK GALLUP	4/14/2015	-
30-043-21245	ENDURING RESOURCES, LLC	S LYBROOK UNIT #907H	Oil	New	H-02-22N-07W	0	0	[42289] LYBROOK GALLUP	4/13/2015	-
30-043-21284	ENDURING RESOURCES, LLC	N ESCAVADA UNIT #313H	Oil	Active	I-10-22N-07W	12,847	5,106	[98172] ESCAVADA N,	6/13/2017	-
30-043-21285	ENDURING RESOURCES, LLC	N ESCAVADA UNIT #314H	Oil	Active	I-10-22N-07W	13,900	5,093	[98172] ESCAVADA N,	6/11/2017	-
30-043-21286	ENDURING RESOURCES, LLC	N ESCAVADA UNIT #328H	Oil	Active	I-10-22N-07W	11,004	5,074	[98172] ESCAVADA N,	6/12/2017	-
30-043-21287	ENDURING RESOURCES, LLC	N ESCAVADA UNIT #329H	Oil	Active	I-10-22N-07W	11,210	5,032	[98172] ESCAVADA N,	5/25/2016	-
30-043-21888	ENDURING RESOURCES, LLC	N ESCAVADA UNIT #315H	Oil	Active	L-10-22N-07W	13,308	5,000	[98172] ESCAVADA N,	9/17/2017	-
30-043-21300	ENDURING RESOURCES, LLC	N ESCAVADA UNIT #316H	Oil	Active	L-10-22N-07W	14,580	5,010	[98172] ESCAVADA N,	9/19/2017	-
30-043-21299	ENDURING RESOURCES, LLC	N ESCAVADA UNIT #330H	Oil	TA TA Diagram Attached	L-10-22N-07W	12,088	4,943	[98172] ESCAVADA N,	9/18/2017	-
30-043-21298	ENDURING RESOURCES, LLC	N ESCAVADA UNIT #331H	Oil	Active	L-10-22N-07W	11,025	4,915	[98172] ESCAVADA N,	9/20/2017	-
30-043-21515	ENDURING RESOURCES, LLC	S ESCAVADA UNIT #343H	Oil	New	N-14-22N-07W	0	0	[52860] RUSTY GALLUP	12/30/9999	-
30-043-21516	ENDURING RESOURCES, LLC	S ESCAVADA UNIT #344H	Oil	New	N-14-22N-07W	0	0	[52860] RUSTY GALLUP	12/30/9999	-
30-043-21295	ENDURING RESOURCES, LLC	N ESCAVADA UNIT #317H	Oil	Active	O-09-22N-07W	15,115	4,960	[98172] ESCAVADA N,	9/24/2017	-
30-043-21301	ENDURING RESOURCES, LLC	N ESCAVADA UNIT #318H	Oil	Active	O-09-22N-07W	12,922	4,944	[98172] ESCAVADA N,	9/25/2017	-
30-043-21302	ENDURING RESOURCES, LLC	N ESCAVADA UNIT #311H	Oil	Active	O-11-22N-07W	13,425	5,148	[98172] ESCAVADA N,	9/13/2017	-
30-043-21294	ENDURING RESOURCES, LLC	N ESCAVADA UNIT #312H	Oil	Active	O-11-22N-07W	15,435	5,093	[98172] ESCAVADA N,	9/12/2017	-
30-043-21280	ENDURING RESOURCES, LLC	S LYBROOK UNIT #344H	Oil	Active	P-02-22N-07W	12,152	5,260	[42289] LYBROOK GALLUP	5/19/2022	-
30-043-21279	ENDURING RESOURCES, LLC	S LYBROOK UNIT #345H	Oil	Active	P-02-22N-07W	10,375	5,186	[42289] LYBROOK GALLUP	5/15/2022	-
30-043-21281	ENDURING RESOURCES, LLC	S LYBROOK UNIT #908H	Oil	Active	P-02-22N-07W	12,493	5,217	[42289] LYBROOK GALLUP	5/17/2022	-
30-043-20172	HICKS OIL & GAS INC	GULF FEDERAL #002	Gas	Plugged-R P&A Diagram Attached	G-11-22N-07W	3,730	3,730	[84360] RUSTY CHACRA (GAS)	8/27/1975	2/3/1994
30-043-20165	HICKS OIL & GAS INC	DANA STATE #001	Oil	Plugged-R P&A Diagram Attached	G-16-22N-07W	4,983	4,983	[52860] RUSTY GALLUP	3/14/1975	2/15/2009
30-043-20157	M & M PRODUCTION	RUSTY FEDERAL #002	Gas	Plugged-R P&A Diagram Attached	H-14-22N-07W	3,885	3,885	[84360] RUSTY CHACRA (GAS)	11/17/1974	9/26/2024
30-043-20190	M & M PRODUCTION	RUSTY FEDERAL #004	Gas	Plugged-R P&A Diagram Attached	M-13-22N-07W	1,974	1,974	[84360] RUSTY CHACRA (GAS)	10/7/1975	10/20/2024
30-043-20150	M & M PRODUCTION	RUSTY FEDERAL #001	Gas	Plugged-R P&A Diagram Attached	P-11-22N-07W	4,100	4,100	[84360] RUSTY CHACRA (GAS)	8/1/1977	9/22/2024
30-043-20171	M & M PRODUCTION	RUSTY FEDERAL #003	Gas	Plugged-R P&A Diagram Attached	P-14-22N-07W	3,697	3,697	[84360] RUSTY CHACRA (GAS)	9/3/1975	1/18/2024
30-043-20252	PRE-ONGARD WELL	PRE-ONGARD WELL #005	Gas	Plugged-R P&A Diagram Attached	A-22-22N-07W	0	0	No Data	12/30/9999	4/15/1985
30-043-20205	PRE-ONGARD WELL	PRE-ONGARD WELL #001	Gas	Plugged-R P&A Diagram Attached	A-23-22N-07W	0	0	No Data	12/30/9999	5/15/1985

2MileAOR
ITEM VI - Part 1

Top of Proposed Entrada Sandstone Formation 7086'

ACU SWD #1

ITEM VI - TABULATION OF WELL DATA

API	OPERATOR	WELL NAME	TYPE	STATUS	ULSTR	MD	TVD	POOL	SPUD	PLUG
30-043-20201	PRE-ONGARD WELL	PRE-ONGARD WELL #001	Gas	Plugged-R P&A Diagram Attached	A-23-22N-07W	0	0	No Data	12/30/9999	2/4/1976
30-043-20159	PRE-ONGARD WELL	PRE-ONGARD WELL #001	Gas	Plugged-R P&A Diagram Attached	C-13-22N-07W	0	4,050	[84360] RUSTY CHACRA (GAS)	2/27/1975	3/17/1993
30-043-20514	PRE-ONGARD WELL	PRE-ONGARD WELL #2	Gas	Cancelled	C-22-22N-07W	0	0	No Data	12/30/9999	-
30-043-20203	PRE-ONGARD WELL	PRE-ONGARD WELL #002	Gas	Plugged-R P&A Diagram Attached	C-23-22N-07W	0	2,004	[84360] RUSTY CHACRA (GAS)	1/27/1976	5/15/1985
30-043-20277	PRE-ONGARD WELL	PRE-ONGARD WELL #5	Gas	Cancelled	D-12-22N-07W	0	0	No Data	12/30/9999	-
30-043-20278	PRE-ONGARD WELL	PRE-ONGARD WELL #1	Gas	Cancelled	D-24-22N-07W	0	0	No Data	12/30/9999	-
30-043-20327	PRE-ONGARD WELL	PRE-ONGARD WELL #1	Gas	Cancelled	F-11-22N-07W	0	0	No Data	12/30/9999	-
30-043-20420	PRE-ONGARD WELL	PRE-ONGARD WELL #1	Gas	Cancelled	G-10-22N-07W	0	0	No Data	12/30/9999	-
30-043-20215	PRE-ONGARD WELL	PRE-ONGARD WELL #003	Gas	Plugged-R P&A Diagram Attached	G-13-22N-07W	0	2,040	[84360] RUSTY CHACRA (GAS)	2/15/1976	3/17/1993
30-043-20543	PRE-ONGARD WELL	PRE-ONGARD WELL #3	Gas	Cancelled	H-22-22N-07W	0	0	No Data	12/30/9999	-
30-043-20395	PRE-ONGARD WELL	PRE-ONGARD WELL #2	Gas	Cancelled	I-09-22N-07W	0	0	No Data	12/30/9999	-
30-043-05150	PRE-ONGARD WELL	PRE-ONGARD WELL #001	Oil	Plugged-R P&A Diagram Attached	I-23-22N-07W	0	5,975	[96894] WC D3, GALLUP	6/10/1957	3/9/1964
30-043-20219	PRE-ONGARD WELL	PRE-ONGARD WELL #003	Gas	Plugged-R P&A Diagram Attached	K-23-22N-07W	0	1,808	[84360] RUSTY CHACRA (GAS)	7/18/1976	4/15/1985
30-043-05156	PRE-ONGARD WELL	PRE-ONGARD WELL #001	Oil	Plugged-R P&A Diagram Attached	M-01-22N-07W	0	5,000	[96894] WC D3, GALLUP	9/8/1957	9/23/1957
30-043-20317	PRE-ONGARD WELL	PRE-ONGARD WELL #1	Gas	Cancelled	M-07-22N-06W	0	0	No Data	12/30/9999	-
30-043-20316	PRE-ONGARD WELL	PRE-ONGARD WELL #4	Gas	Cancelled	M-10-22N-07W	0	0	No Data	12/30/9999	-
30-043-20276	PRE-ONGARD WELL	PRE-ONGARD WELL #002	Gas	Plugged-R P&A Diagram Attached	M-12-22N-07W	0	3,986	[84360] RUSTY CHACRA (GAS)	5/21/1980	3/17/1993
30-043-20310	PRE-ONGARD WELL	PRE-ONGARD WELL #3	Gas	Cancelled	M-24-22N-07W	0	0	No Data	12/30/9999	-
30-043-20353	PRE-ONGARD WELL	PRE-ONGARD WELL #1	Gas	Cancelled	O-13-22N-07W	0	0	No Data	12/30/9999	-
30-043-20270	PRE-ONGARD WELL	PRE-ONGARD WELL #1	Gas	Cancelled	P-16-22N-07W	0	0	No Data	12/30/9999	-

Top of Proposed Entrada Sandstone Formation 7086'

ACU SWD #1

ITEM VI - TABULATION OF WELL DATA

API	OPERATOR	WELL NAME	TYPE	STATUS	ULSTR	MD	TVD	POOL	SPUD	PLUG
								3 (of 64) Wells Penetrate Proposed Interval		
API	OPERATOR	WELL NAME	TYPE	STATUS	ULSTR	MD	TVD	POOL	SPUD	PLUG
30-043-20286	DUGAN PRODUCTION CORP	NAVAJO 18 #001	Gas	Plugged-R P&A Diagram Attached	N-18-22N-06W	21,450	21,450	[84360] RUSTY CHACRA (GAS)	4/29/1978	12/12/2001
30-043-21243	ENDURING RESOURCES, LLC	S LYBROOK UNIT #342H	Oil	Active	A-02-22N-07W	10,349	10,340	[42289] LYBROOK GALLUP	4/15/2015	-
30-043-21241	ENDURING RESOURCES, LLC	S LYBROOK UNIT #346H	Oil	Active	A-02-22N-07W	10,497	10,487	[42289] LYBROOK GALLUP	4/16/2015	-
								21 (of 64) Wells are Active		
30-043-21134	DJR OPERATING, LLC	LYBROOK P01 2207 #001H	Oil	Active	P-01-22N-07W	9,640	5,359	[42289] LYBROOK GALLUP	3/23/2013	-
30-043-20542	DUGAN PRODUCTION CORP	DOME TESERO 22 #004	Oil	Active	C-22-22N-07W	5,000	5,000	[52860] RUSTY GALLUP	2/20/1981	-
30-043-20484	DUGAN PRODUCTION CORP	DOME FEDERAL 10-22-7 #001	Gas	Active	H-10-22N-07W	2,320	2,320	[84360] RUSTY CHACRA (GAS)	9/9/1980	-
30-043-20346	DUGAN PRODUCTION CORP	NAVAJO 10-22-7 #001	Gas	Active	N-10-22N-07W	2,050	2,050	[84360] RUSTY CHACRA (GAS)	7/12/1978	-
30-043-20281	DUGAN PRODUCTION CORP	DOME FEDERAL 15-22-7 #001	Gas	Active	P-15-22N-07W	1,950	1,950	[84360] RUSTY CHACRA (GAS)	1/15/1979	-
30-043-21243	ENDURING RESOURCES, LLC	S LYBROOK UNIT #342H	Oil	Active	A-02-22N-07W	10,349	10,340	[42289] LYBROOK GALLUP	4/15/2015	-
30-043-21241	ENDURING RESOURCES, LLC	S LYBROOK UNIT #346H	Oil	Active	A-02-22N-07W	10,497	10,487	[42289] LYBROOK GALLUP	4/16/2015	-
30-043-21284	ENDURING RESOURCES, LLC	N ESCAVADA UNIT #313H	Oil	Active	I-10-22N-07W	12,847	5,106	[98172] ESCAVADA N,	6/13/2017	-
30-043-21285	ENDURING RESOURCES, LLC	N ESCAVADA UNIT #314H	Oil	Active	I-10-22N-07W	13,900	5,093	[98172] ESCAVADA N,	6/11/2017	-
30-043-21286	ENDURING RESOURCES, LLC	N ESCAVADA UNIT #328H	Oil	Active	I-10-22N-07W	11,004	5,074	[98172] ESCAVADA N,	6/12/2017	-
30-043-21287	ENDURING RESOURCES, LLC	N ESCAVADA UNIT #329H	Oil	Active	I-10-22N-07W	11,210	5,032	[98172] ESCAVADA N,	5/25/2016	-
30-043-21888	ENDURING RESOURCES, LLC	N ESCAVADA UNIT #315H	Oil	Active	L-10-22N-07W	13,308	5,000	[98172] ESCAVADA N,	9/17/2017	-
30-043-21300	ENDURING RESOURCES, LLC	N ESCAVADA UNIT #316H	Oil	Active	L-10-22N-07W	14,580	5,010	[98172] ESCAVADA N,	9/19/2017	-
30-043-21298	ENDURING RESOURCES, LLC	N ESCAVADA UNIT #331H	Oil	Active	L-10-22N-07W	11,025	4,915	[98172] ESCAVADA N,	9/20/2017	-
30-043-21295	ENDURING RESOURCES, LLC	N ESCAVADA UNIT #317H	Oil	Active	O-09-22N-07W	15,115	4,960	[98172] ESCAVADA N,	9/24/2017	-
30-043-21301	ENDURING RESOURCES, LLC	N ESCAVADA UNIT #318H	Oil	Active	O-09-22N-07W	12,922	4,944	[98172] ESCAVADA N,	9/25/2017	-
30-043-21302	ENDURING RESOURCES, LLC	N ESCAVADA UNIT #311H	Oil	Active	O-11-22N-07W	13,425	5,148	[98172] ESCAVADA N,	9/13/2017	-
30-043-21294	ENDURING RESOURCES, LLC	N ESCAVADA UNIT #312H	Oil	Active	O-11-22N-07W	15,435	5,093	[98172] ESCAVADA N,	9/12/2017	-
30-043-21280	ENDURING RESOURCES, LLC	S LYBROOK UNIT #344H	Oil	Active	P-02-22N-07W	12,152	5,260	[42289] LYBROOK GALLUP	5/19/2022	-
30-043-21279	ENDURING RESOURCES, LLC	S LYBROOK UNIT #345H	Oil	Active	P-02-22N-07W	10,375	5,186	[42289] LYBROOK GALLUP	5/15/2022	-
30-043-21281	ENDURING RESOURCES, LLC	S LYBROOK UNIT #908H	Oil	Active	P-02-22N-07W	12,493	5,217	[42289] LYBROOK GALLUP	5/17/2022	-

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ITEM VI - Part 1

Top of Proposed Entrada Sandstone Formation 7086'

ACU SWD #1

ITEM VI - TABULATION OF WELL DATA

API	OPERATOR	WELL NAME	TYPE	STATUS	ULSTR	MD	TVD	POOL	SPUD	PLUG
										9 (of 64) Wells Are New
30-043-21249	DJR OPERATING, LLC	LYBROOK I01 2207 #001H	Oil	New	I-01-22N-07W	0	0	[42289] LYBROOK GALLUP	12/30/9999	-
30-043-21511	ENDURING RESOURCES, LLC	NEU 2207 16B SWD #001	SWD	New	B-16-22N-07W	0	0	[96436] SWD, ENTRADA	12/30/9999	-
30-043-21512	ENDURING RESOURCES, LLC	S ESCAVADA UNIT #337H	Oil	New	B-22-22N-07W	0	0	[52860] RUSTY GALLUP	12/30/9999	-
30-043-21513	ENDURING RESOURCES, LLC	S ESCAVADA UNIT #345H	Oil	New	B-22-22N-07W	0	0	[52860] RUSTY GALLUP	12/30/9999	-
30-043-21514	ENDURING RESOURCES, LLC	S ESCAVADA UNIT #346H	Oil	New	B-22-22N-07W	0	0	[52860] RUSTY GALLUP	12/30/9999	-
30-043-21246	ENDURING RESOURCES, LLC	S LYBROOK UNIT #343H	Oil	New	H-02-22N-07W	0	0	[42289] LYBROOK GALLUP	4/14/2015	-
30-043-21245	ENDURING RESOURCES, LLC	S LYBROOK UNIT #907H	Oil	New	H-02-22N-07W	0	0	[42289] LYBROOK GALLUP	4/13/2015	-
30-043-21515	ENDURING RESOURCES, LLC	S ESCAVADA UNIT #343H	Oil	New	N-14-22N-07W	0	0	[52860] RUSTY GALLUP	12/30/9999	-
30-043-21516	ENDURING RESOURCES, LLC	S ESCAVADA UNIT #344H	Oil	New	N-14-22N-07W	0	0	[52860] RUSTY GALLUP	12/30/9999	-
										12 (of 64) Wells Are Cancelled
30-043-20514	PRE-ONGARD WELL	PRE-ONGARD WELL #2	Gas	Cancelled	C-22-22N-07W	0	0	No Data	12/30/9999	-
30-043-20277	PRE-ONGARD WELL	PRE-ONGARD WELL #5	Gas	Cancelled	D-12-22N-07W	0	0	No Data	12/30/9999	-
30-043-20278	PRE-ONGARD WELL	PRE-ONGARD WELL #1	Gas	Cancelled	D-24-22N-07W	0	0	No Data	12/30/9999	-
30-043-20327	PRE-ONGARD WELL	PRE-ONGARD WELL #1	Gas	Cancelled	F-11-22N-07W	0	0	No Data	12/30/9999	-
30-043-20420	PRE-ONGARD WELL	PRE-ONGARD WELL #1	Gas	Cancelled	G-10-22N-07W	0	0	No Data	12/30/9999	-
30-043-20543	PRE-ONGARD WELL	PRE-ONGARD WELL #3	Gas	Cancelled	H-22-22N-07W	0	0	No Data	12/30/9999	-
30-043-20395	PRE-ONGARD WELL	PRE-ONGARD WELL #2	Gas	Cancelled	I-09-22N-07W	0	0	No Data	12/30/9999	-
30-043-20317	PRE-ONGARD WELL	PRE-ONGARD WELL #1	Gas	Cancelled	M-07-22N-06W	0	0	No Data	12/30/9999	-
30-043-20316	PRE-ONGARD WELL	PRE-ONGARD WELL #4	Gas	Cancelled	M-10-22N-07W	0	0	No Data	12/30/9999	-
30-043-20310	PRE-ONGARD WELL	PRE-ONGARD WELL #3	Gas	Cancelled	M-24-22N-07W	0	0	No Data	12/30/9999	-
30-043-20353	PRE-ONGARD WELL	PRE-ONGARD WELL #1	Gas	Cancelled	O-13-22N-07W	0	0	No Data	12/30/9999	-
30-043-20270	PRE-ONGARD WELL	PRE-ONGARD WELL #1	Gas	Cancelled	P-16-22N-07W	0	0	No Data	12/30/9999	-

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ITEM VI - Part 1

Top of Proposed Entrada Sandstone Formation 7086'

ACU SWD #1

ITEM VI - TABULATION OF WELL DATA

API	OPERATOR	WELL NAME	TYPE	STATUS	ULSTR	MD	TVD	POOL	SPUD	PLUG
						21 (of 64) Wells are P&A (site released)				
30-043-20308	DUGAN PRODUCTION CORP	CHACRA #001	Gas	Plugged-R P&A Diagram Attached	D-10-22N-07W	2,105	2,105	[84360] RUSTY CHACRA (GAS)	2/8/1978	2/8/2021
30-043-20481	DUGAN PRODUCTION CORP	DOME FEDERAL 18-22-6 #003	Gas	Plugged-R P&A Diagram Attached	E-18-22N-06W	2,300	2,300	[84360] RUSTY CHACRA (GAS)	9/13/1980	5/1/2023
30-043-20449	DUGAN PRODUCTION CORP	DOME NAVAJO 3 22 7 #001	Oil	Plugged-R P&A Diagram Attached	J-03-22N-07W	5,208	5,208	[1039] ALAMITO-GALLUP (O)	2/12/1980	2/5/2026
30-043-20506	DUGAN PRODUCTION CORP	DOME TESERO 23 #001	Oil	Plugged-R P&A Diagram Attached	L-23-22N-07W	4,800	4,800	[52860] RUSTY GALLUP	10/29/1980	1/21/2026
30-043-20286	DUGAN PRODUCTION CORP	NAVAJO 18 #001	Gas	Plugged-R P&A Diagram Attached	N-18-22N-06W	21,450	21,450	[84360] RUSTY CHACRA (GAS)	4/29/1978	12/12/2001
30-043-20172	HICKS OIL & GAS INC	GULF FEDERAL #002	Gas	Plugged-R P&A Diagram Attached	G-11-22N-07W	3,730	3,730	[84360] RUSTY CHACRA (GAS)	8/27/1975	2/3/1994
30-043-20165	HICKS OIL & GAS INC	DANA STATE #001	Oil	Plugged-R P&A Diagram Attached	G-16-22N-07W	4,983	4,983	[52860] RUSTY GALLUP	3/14/1975	2/15/2009
30-043-20157	M & M PRODUCTION	RUSTY FEDERAL #002	Gas	Plugged-R P&A Diagram Attached	H-14-22N-07W	3,885	3,885	[84360] RUSTY CHACRA (GAS)	11/17/1974	9/26/2024
30-043-20190	M & M PRODUCTION	RUSTY FEDERAL #004	Gas	Plugged-R P&A Diagram Attached	M-13-22N-07W	1,974	1,974	[84360] RUSTY CHACRA (GAS)	10/7/1975	10/20/2024
30-043-20150	M & M PRODUCTION	RUSTY FEDERAL #001	Gas	Plugged-R P&A Diagram Attached	P-11-22N-07W	4,100	4,100	[84360] RUSTY CHACRA (GAS)	8/1/1977	9/22/2024
30-043-20171	M & M PRODUCTION	RUSTY FEDERAL #003	Gas	Plugged-R P&A Diagram Attached	P-14-22N-07W	3,697	3,697	[84360] RUSTY CHACRA (GAS)	9/3/1975	1/18/2024
30-043-20252	PRE-ONGARD WELL	PRE-ONGARD WELL #005	Gas	Plugged-R P&A Diagram Attached	A-22-22N-07W	0	0	No Data	12/30/9999	4/15/1985
30-043-20205	PRE-ONGARD WELL	PRE-ONGARD WELL #001	Gas	Plugged-R P&A Diagram Attached	A-23-22N-07W	0	0	No Data	12/30/9999	5/15/1985
30-043-20201	PRE-ONGARD WELL	PRE-ONGARD WELL #001	Gas	Plugged-R P&A Diagram Attached	A-23-22N-07W	0	0	No Data	12/30/9999	2/4/1976
30-043-20159	PRE-ONGARD WELL	PRE-ONGARD WELL #001	Gas	Plugged-R P&A Diagram Attached	C-13-22N-07W	0	4,050	[84360] RUSTY CHACRA (GAS)	2/27/1975	3/17/1993
30-043-20203	PRE-ONGARD WELL	PRE-ONGARD WELL #002	Gas	Plugged-R P&A Diagram Attached	C-23-22N-07W	0	2,004	[84360] RUSTY CHACRA (GAS)	1/27/1976	5/15/1985
30-043-20215	PRE-ONGARD WELL	PRE-ONGARD WELL #003	Gas	Plugged-R P&A Diagram Attached	G-13-22N-07W	0	2,040	[84360] RUSTY CHACRA (GAS)	2/15/1976	3/17/1993
30-043-05150	PRE-ONGARD WELL	PRE-ONGARD WELL #001	Oil	Plugged-R P&A Diagram Attached	I-23-22N-07W	0	5,975	[96894] WC D3, GALLUP	6/10/1957	3/9/1964
30-043-20219	PRE-ONGARD WELL	PRE-ONGARD WELL #003	Gas	Plugged-R P&A Diagram Attached	K-23-22N-07W	0	1,808	[84360] RUSTY CHACRA (GAS)	7/18/1976	4/15/1985
30-043-05156	PRE-ONGARD WELL	PRE-ONGARD WELL #001	Oil	Plugged-R P&A Diagram Attached	M-01-22N-07W	0	5,000	[96894] WC D3, GALLUP	9/8/1957	9/23/1957
30-043-20276	PRE-ONGARD WELL	PRE-ONGARD WELL #002	Gas	Plugged-R P&A Diagram Attached	M-12-22N-07W	0	3,986	[84360] RUSTY CHACRA (GAS)	5/21/1980	3/17/1993

Enduring Resources, LLC
Application for Authorization to Inject
ACU SWD #001

PLUGGED & ABANDONED WELL DIAGRAMS

30-043-20308
30-043-20481
30-043-20449
30-043-20506
30-043-20286
30-043-20172
30-043-20165
30-043-20157
30-043-20190
30-043-20150
30-043-20171
30-043-20252
30-043-20205
30-043-20201
30-043-20159
30-043-20203
30-043-20215
30-043-05150
30-043-20219
30-043-05156
30-043-20276

Plugging details follow this page.

Please note: depending on the year plugged, not all wellbore schematics are available as part of the NMOCD public record…

AFMSS

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

Sundry Print Report

03/31/2021

Well Name: CHACRA	**Well Location:** T22N / R7W / SEC 10 / NWNW / 36.15834 / 107.568234	**County or Parish/State:** SANDOVAL / NM
Well Number: 1	**Type of Well:** CONVENTIONAL GAS WELL	**Allottee or Tribe Name:**
Lease Number: NMNM25821	**Unit or CA Name:**	**Unit or CA Number:**
US Well Number: 300432030800S1	**Well Status:** Producing Gas Well	**Operator:** DUGAN PRODUCTION CORPORATION

NMOCD - JAG

Subsequent Report

Type of Submission: Subsequent Report

Type of Action: Plug and Abandonment

Date Sundry Submitted: 03/23/2021

Time Sundry Submitted: 08:05

Date Operation Actually Began: 02/09/2021

Actual Procedure: Dugan Production P&A'd well on 2/02/2021-02/9/2021 per the following procedure: 1) Run 4-1/2" casing scraper to 1790'. Set 4-1/2" CR @ 1740'. Chacra perforations @ 1795'-1902'. Load hole. Pressure test casing to 600 psi. Casing won't test. Slow leak. Run CBL from 1740' to surface. TOC approx. 260' from surface behind 4-1/2" casing. Notified OCD/BLM. Mark Decker w/BLM on location. 2) Sting inside CR to establish rate. Squeezed 8 sks (9.2 cu ft) Class G neat cement under and spot 16 sks (18.4 cu ft) above CR @ 1740'. Total 24 sks (27.6 cu ft, 15.8#/gal, 1.15 cu ft/sk). WOC overnight. Tag TOC in the morning. Tagged @ 1518'. Good tag. Plug I, inside 4-1/2" casing, Chacra, 1518'-1740'. 3) Spot inside Plug II from 1432' w/53 sks Class G cement (61 cu ft) w/2% CaCl2. WOC 4 hrs. Tagged TOC @ 778'. Good tag. Plug II, inside 4-1/2" casing, PC-Fruitland-Kirtland-Ojo Alamo, 778'-1432'. 4) Perforated @ 135'. RIH w/4 joints 2-3/8" tubing. Broke circulation to surface. Swapped to cement. Circulated cement to surface from 135' w/44 sks Class G cement w/2% CaCl2 (50.6 cu ft). Cut wellhead off. TOC inside casing @ 28'. TOC @ surface inside annulus. Topped off cellar w/12 sks Class G cement (13.8 cu ft). Plug III, inside/outside, 56 sks (64.4 cu ft), Surface-135'. 5) Install dry hole marker. Clean location. Mark Decker w/Farmington BLM FO on location. Well P&A'd 2/9/21.

Well Name: CHACRA	**Well Location:** T22N / R7W / SEC 10 / NWNW / 36.15834 / 107.568234	**County or Parish/State:** SANDOVAL / NM
Well Number: 1	**Type of Well:** CONVENTIONAL GAS WELL	**Allottee or Tribe Name:**
Lease Number: NMNM25821	**Unit or CA Name:**	**Unit or CA Number:**
US Well Number: 30043203080OS1	**Well Status:** Producing Gas Well	**Operator:** DUGAN PRODUCTION CORPORATION

Operator Certification

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 submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: FEIL

Signed on: MAR 23, 2021 08:04 AM

Name: DUGAN PRODUCTION CORPORATION

Title: Authorized Representative

Street Address: PO Box 420

City: Farmington **State:** NM

Phone: (505) 325-1821

Email address: tyrafeil@duganproduction.com

Field Representative

Representative Name: ALIPH REENA

Street Address: PO BOX 420

City: FARMINGTON **State:** NM **Zip:** 87499-0420

Phone: (505)325-1821

Email address: ALIPH.REENA@DUGANPRODUCTION.COM

BLM Point of Contact

BLM POC Name: WILLIAM F TAMBEKOU

BLM POC Title: PETROLEUM ENGINEER

BLM POC Phone: 7192698500

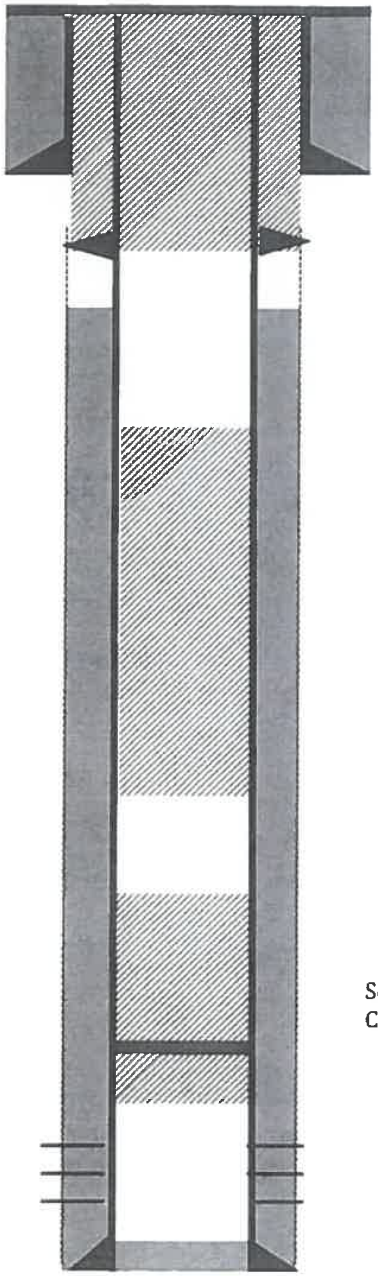
BLM POC Email Address: wtambekou@blm.gov

Disposition: Accepted

Disposition Date: 03/31/2021

Signature: William Max Tambekou

Completed P & A Schematic
Chacra # 1
30-043-20308, Rusty Chacra
1070' FNL & 905 FWL,
NM-25821
S10 T22N R7W, Sandoval County



8-5/8" 24# casing @ 85'. Cemented with 75 sks Class B.
Hole size 12-1/4". No cement circulated to surface.

Spot plug III from 135' to surface w/ 56 sks Class G Cement (64.4 cu.ft) (Plug III, Surface, 0-135')

4 ½" 10.5 # casing @ 2080'. Hole size: 6-3/4"

Cement production casing w/ 100 sks pozmix w/ 12% gel
followed by 80 sks Class B. Top of Cement from CBL @ 260' approx.

Spot plug II from 1432' w/ 53 sks Class G Cement (61 cu.ft)
Plug II, PC-Fruitland-Kirtland-Ojo Alamo, 778'-1432'

Set CR @ 1740'. Plug I with 24 sks (27.6 cu.ft) @ 1518'-1740'. Plug I, Chacra

Chacra Perforated @ 1795' – 1902'

PBTD @ 2012', TD 2105'

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

Sundry Print Report

05/01/2023

Well Name: DOME FEDERAL	**Well Location:** T22N / R6W / SEC 18 / SWNW / 36.141565 / -107.514944	**County or Parish/State:** SANDOVAL / NM
Well Number: 3	**Type of Well:** CONVENTIONAL GAS WELL	**Allottee or Tribe Name:**
Lease Number: NMNM21455	**Unit or CA Name:**	**Unit or CA Number:**
US Well Number: 30043204810OS1	**Well Status:** Abandoned	**Operator:** DUGAN PRODUCTION CORPORATION

Subsequent Report

Sundry ID: 2728545

Type of Submission: Subsequent Report

Type of Action: Plug and Abandonment

Date Sundry Submitted: 05/01/2023

Time Sundry Submitted: 03:31

Date Operation Actually Began: 03/07/2023

Actual Procedure: Dugan Production P&A'd the well per the following procedure from 03/07/2023 to 03/13/2023: 1) MI&RU Aztec Rig 481 & cement crew. Spot equipment, NU BOP, LD rods. Tally tubing. 2) Run 4½" casing scraper to 1861'. RIH & Set 4½" CIBP @ 1827'. Chacra perforations @ 1874'-1922'. Load hole & circulate clean. Pressure test casing to 600 psi for 30 mins. Casing won't test. Run CBL from 1827' to surface. Sent copies to BLM/OCD. Good cement to approx. 100' to surface behind the casing. 3) Spot Plug I inside 4½" casing above CIBP @ 1827' w/18 sks, 20.7 cu ft, (5 gal/sk, 15.8 #/gal, 1.15 cu ft/sk) Class G neat cement to cover the Chacra top. Displaced w/6.2 bbls water. WOC 4 hrs. Tagged TOC @ 1625'. Good tag. Plug I, Inside 4½" casing, 18 sks, 20.7 cu ft, Chacra, 1625'-1827'. 4) LD tubing to 1512'. Spot Inside Plug II from 1512' to 725' w/61 sks Class G neat cement, 70.15 cu ft to cover the Ojo Alamo-Kirtland-Fruitland-Pictured Cliffs tops. Displaced w/2.8 bbls water. Plug II, inside 4½" casing, 61 sks, 70.15 cu ft, Pictured Cliffs-Fruitland-Kirtland-Ojo Alamo, 725'-1512'. 5) RU Wireline. Perforate casing @ 60'. TIH w/2-3/8" tubing to 186'. Spot & squeeze inside/outside Plug III from 186' w/35 sks (40.25 cu ft) Class G neat cement to surface. Circulate 1 bbl cement to surface through BH. Cut wellhead off. TOC inside 4½" casing and annulus @ surface. Plug III, Inside/Outside 4½" casing, 35 sks, 40.25 cu ft, Surface, 0-186'. 6) Mix and pump 25 sks Class G cement (28.75 cu ft) to fill up cellar & install dry hole marker. 7) Clean location. Rig down and move. Well P&A'd 03/13/2023.

Accepted for record – NMOCD
JRH 05/03/2023

Well Name: DOME FEDERAL	**Well Location:** T22N / R6W / SEC 18 / SWNW / 36.141565 / -107.514944	**County or Parish/State:** SANDOVAL / NM
Well Number: 3	**Type of Well:** CONVENTIONAL GAS WELL	**Allottee or Tribe Name:**
Lease Number: NMNM21455	**Unit or CA Name:**	**Unit or CA Number:**
US Well Number: 300432048100S1	**Well Status:** Abandoned	**Operator:** DUGAN PRODUCTION CORPORATION

SR Attachments

Actual Procedure

Dome_Federal_18_22_6_3_Post_P_A_wellbore_schematic_20230501152745.pdf

Dome_Federal_18_22_6_3_Post_PA_20230501152733.pdf

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: TYRA FEIL

Signed on: MAY 01, 2023 03:27 PM

Name: DUGAN PRODUCTION CORPORATION

Title: Authorized Representative

Street Address: PO Box 420

City: Farmington **State:** NM

Phone: (505) 325-1821

Email address: tyrafeil@duganproduction.com

Field

Representative Name: ALIPH REENA

Street Address: PO BOX 420

City: FARMINGTON **State:** NM **Zip:** 87499-0420

Phone: (505)325-1821

Email address: Aliph.Reena@duganproduction.com

BLM Point of Contact

BLM POC Name: MATTHEW H KADE

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5055647736

BLM POC Email Address: MKADE@BLM.GOV

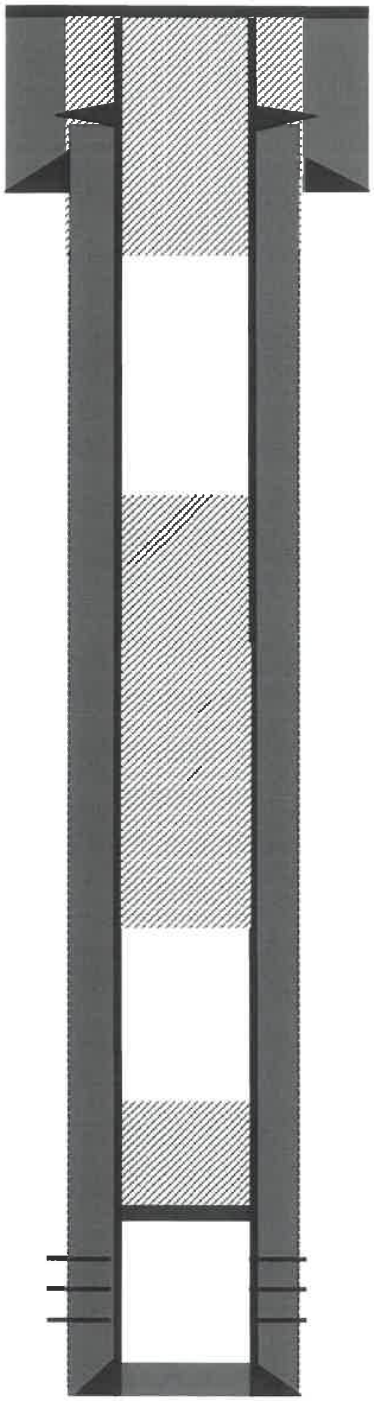
Disposition: Accepted

Disposition Date: 05/01/2023

Signature: Matthew Kade

Completed P & A Wellbore Schematic

Dome Federal 18-22-6 # 3
30-043-20481
Rusty Chacra
1760' FNL & 980' FWL
S18 T22N R6W
Sandoval County, NM
Lat:36.1415634 Long:-107.5149612



8-5/8" 24# casing @ 135'. Cemented with 100 sks Class B cement w/2% CaCl2 . Circulated cement. Hole size: 12 ¼"

Plug III, Inside/Outside 4 ½" casing, 35 sks, 40.25 Cu.ft, Surface, 0-186'

Plug II, inside 4 ½" casing, 61 sks, 70.15 Cu.ft, Pictured Cliffs-Fruitland-Kirtland-Ojo Alamo, 725'-1512'

4 ½" 10.5# casing @ 2298'. Hole size: 6-3/4"

Cement production casing w/ 175 sks 65-35 poz followed by 125 sks Class B Circulated cement to surface.

CIBP @ 1827'. Plug I, Inside 4 ½" casing, 18 sks, 20.7 Cu.ft, Chacra, 1625'-1827'

Chacra Perforated @ 1874' – 1922'

PBTD @ 2251', TD @ 2300'

Well Name: DOME NAVAJO 3-22-7	**Well Location:** T22N / R7W / SEC 3 / NWSE / 36.165739 / -107.560071	**County or Parish/State:** SANDOVAL / NM
Well Number: 1	**Type of Well:** OIL WELL	**Allottee or Tribe Name:** EASTERN NAVAJO
Lease Number: N00C14205555	**Unit or CA Name:**	**Unit or CA Number:**
US Well Number: 30043204490OS1	**Operator:** DUGAN PRODUCTION CORPORATION	

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: TYRA FEIL

Signed on: FEB 12, 2026 10:55 AM

Name: DUGAN PRODUCTION CORPORATION

Title: Authorized Representative

Street Address: PO BOX 420

City: FARMINGTON **State:** NM

Phone: (505) 325-1821

Email address: TYRAFEIL@DUGANPRODUCTION.COM

Field

Representative Name: Aliph Reena

Street Address: PO Box 420

City: Farmington **State:** NM **Zip:** 87499-0420

Phone: (505)360-9192

Email address: Aliph.Reena@duganproduction.com

BLM Point of Contact

BLM POC Name: KENNETH G RENNICK

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5055647742

BLM POC Email Address: krennick@blm.gov

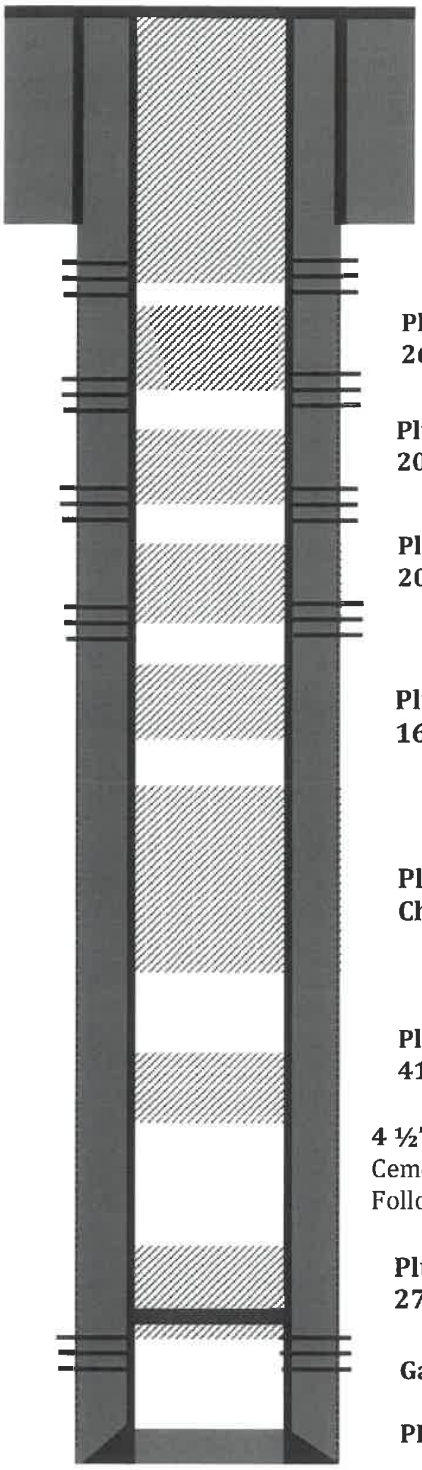
Disposition: Accepted

Disposition Date: 02/12/2026

Signature: Kenneth Rennick

Completed P & A Schematic

Dome Navajo 3 22 7 # 1
30-043-20449
Alamito Gallup
1660' FSL & 1980' FEL
J-03-T22N-R07W
Sandoval County, NM



Hole 12 ¼", Casing 8-5/8" 24# @ 224'
Cemented w/ 200 sks Class B with 2% CaCl. Circulated cement.

Plug VIII, Inside 4 ½" casing, Perforations at 290', EOT at 356' 120 sks, 138 Cu. ft, Surface Casing-Surface, 0'- 356'

Plug VII, Inside 4 ½" casing, Perforations at 1048', EOT at 1049', 23 sks, 26.45 Cu. ft, Ojo Alamo, 776'-1049'.

Plug VI, Inside 4 ½" casing, Perforations at 1228', EOT 1229', 18 sks, 20.7 Cu. ft, Kirtland, 1053'-1229'.

Plug V, Inside 4 ½" casing, Perforations at 1393', EOT at 1398', 18 sks, 20.7 Cu. ft, Fruitland top, 1235'-1398'.

Plug IV, Inside 4 ½" casing, 18 sks, 20.7 Cu. ft, Pictured Cliffs, 1403'-1604'.

Plug III, Inside 4 ½" casing, 94 sks, 108.1 Cu. ft, Mesaverde – Lower Chacra – Upper Chacra, 1770'-2960'

Plug II, Inside 4 ½" casing, 18 sks, 20.7 Cu. ft, Mancos top, 3912'-4140'

4 ½" 10.5# casing @5207'. Hole 7-7/8"
Cemented with 380 sks 65/35 Pozmix, 4% gel and 10# Gilsonite/sack.
Followed with 300 sacks, Class B cement with 10% salt.

Plug I, Inside 4 ½" casing, Cement Retainer at 4912', 24 sks, 27.6 Cu. ft, Gallup top, 4638'-4912'.

Gallup perforations from 4980'-5052'

PBTD: 5173' TD: 5208'

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

Sundry Print Report

02/13/2026

Well Name: DOME TESORO 23	**Well Location:** T22N / R7W / SEC 23 / NWSW / 36.121863 / -107.551545	**County or Parish/State:** SANDOVAL / NM
Well Number: 1	**Type of Well:** OIL WELL	**Allottee or Tribe Name:** EASTERN NAVAJO
Lease Number: N00C14205360	**Unit or CA Name:**	**Unit or CA Number:**
US Well Number: 30043205060OS1	**Operator:** DUGAN PRODUCTION CORPORATION	

Subsequent Report

Sundry ID: 2895697

Type of Submission: Subsequent Report

Type of Action: Plug and Abandonment

Date Sundry Submitted: 02/12/2026

Time Sundry Submitted: 10:16

Date Operation Actually Began: 01/16/2026

Actual Procedure: Dugan Production plugged and abandoned the well from 01/16/2026 to 01/22/2026 per the attached procedure.

SR Attachments

Actual Procedure

Dome_Tesoro_23_1_marker_gps_photos_20260212101437.pdf

Dome_Tesoro_23_1_BLM_OCD_plug_comms_20260212101423.pdf

Dome_Tesero_23_1_SR_PA_formation_tops_20260212101409.pdf

Dome_Tesero_23_1_SR_PA_completed_wellbore_schematic_20260212101402.pdf

Dome_Tesero_23_1_SR_PA_completed_work_20260212101353.pdf

Well Name: DOME TESORO 23	**Well Location:** T22N / R7W / SEC 23 / NWSW / 36.121863 / -107.551545	**County or Parish/State:** SANDOVAL / NM
Well Number: 1	**Type of Well:** OIL WELL	**Allottee or Tribe Name:** EASTERN NAVAJO
Lease Number: N00C14205360	**Unit or CA Name:**	**Unit or CA Number:**
US Well Number: 300432050600S1	**Operator:** DUGAN PRODUCTION CORPORATION	

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: TYRA FEIL

Signed on: FEB 12, 2026 10:15 AM

Name: DUGAN PRODUCTION CORPORATION

Title: Authorized Representative

Street Address: PO BOX 420

City: FARMINGTON **State:** NM

Phone: (505) 325-1821

Email address: TYRAFEIL@DUGANPRODUCTION.COM

Field

Representative Name: Aliph Reena

Street Address: PO Box 420

City: Farmington **State:** NM **Zip:** 87499-0420

Phone: (505)360-9192

Email address: Aliph.Reena@duganproduction.com

BLM Point of Contact

BLM POC Name: KENNETH G RENNICK

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5055647742

BLM POC Email Address: krennick@blm.gov

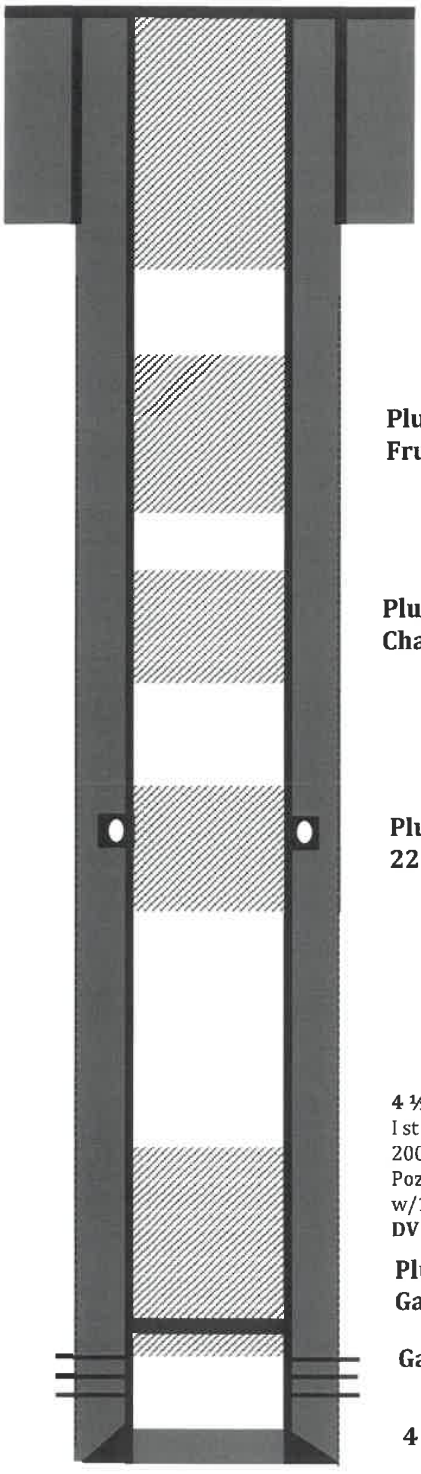
Disposition: Accepted

Disposition Date: 02/12/2026

Signature: Kenneth Rennick

Completed P & A Wellbore Schematic

Dome Tesero 23 1
30-043-20506
Rusty Gallup
1670' FNL & 690' FEL
L23-T22N-R07W
Sandoval County , NM



8 5/8" 24# K55 casing @ 240' Hole size 12 ¼ "
Cement w/ 200 sks class B cement w/2% CaCl. Circ cement to surface

Plug V, Inside 4 ½" casing, 37 sks, 42.55 Cu.ft, Surface Casing shoe-Surface, 0-292'.

Plug IV, Inside 4 ½" casing, 60 sks, 69 Cu ft, Pictured Cliffs-Fruitland- Kirtland-Ojo Alamo, 420'-1180'

Plug III, Inside 4 ½" casing, 38 sks, 43.7 Cu ft, Upper Chacra-Lower Chacra, 1400'-1890'.

Plug II, Inside 4 ½" casing, 84 sks, 96.6 Cu ft, Mesaverde-DV Tool, 2245'-2796'.

4 ½" 10.5 # casing @ 4800'. Hole size 7-7/8"
I st stage with 275 sacks 65/35 Pozmix, with 6% gel and 10# Gilsonite/sx. followed with 200 sks Class B cement w/10% salt. Second stage cemented with 250 sacks 65/35 Pozmix w/6% gel and 10# Gilsonite/sx. and followed with 300 sacks Class B cement w/10% salt. Circulated cement on both stages.
DV tool at

Plug I, Inside 4 ½" casing, Cement Retainer at 4606', 86 sks, 98.9 Cu ft, Gallup Mancos tops, 3606'-4606'

Gallup Perforated @ 4646' - 4712'

4 ½" 10.5 # casing @ 4800'. Hole size 7-7/8"

Dugan Production plugged and abandoned the **Dome Tesero 23-1 from 1/16/2026 to 1/22/2026** per the following procedure:

- MI & RU Aztec Well Service Rig 481. Spot in and RU cement equipment.
- Check pressures: Tubing 5 psi, Casing 5 psi, BH 0 psi.
- Pull and LD production tubing.
- PU & tally 2-3/8" work string. Run 4½" string mill to scrape casing to 4630'.
- RIH & set 4½" cement retainer to 4606'. **Gallup perforations @ 4646'-4712'.**
- Load and circulate hole with 95 bbls of water.
- Run CBL from 4606' to surface. Sent copy of CBL to NMOCD. Copy of communications attached.
- Check pressures: Tubing 0 psi, Casing 0 psi, BH 0 psi.
- Attempt to pressure test casing to 600 psi for 30 mins. Test failed.
- Attempt to get injection rate below retainer, locked up, no injection rate.
- **Plug I, Gallup-Mancos:** Spot Plug I inside 4½" casing from 4606' on top of the CR w/86 sks (98.9 cu ft) Class G cement with 1% CaCl to cover the Gallup-Mancos tops. Displaced with 13.5 bbls water. WOC 4 hrs. Tagged TOC at 3406'. Good tag. **Plug I, Inside 4½" casing, cement retainer at 4606', 86 sks, 98.9 Cu ft, Gallup Mancos tops, 3606'-4606'.**
- **Plug II, Mesaverde-DV Tool:** Spot Plug II inside 4½" casing from 2796' w/46 sks, 52.9 cu ft Class G neat cement to cover the Mesaverde top-DV Tool. WOC overnight. Tagged TOC at 2546'. Bad tag. Spot Plug IIB inside 4½" casing from 2546' with 37 sks 42.55 cu ft to cover the Mesaverde top-DV tool. Displaced with 8.4 bbls of water displacement. WOC 4 hrs. Tagged TOC at 2245. Good tag. **Plug II, Inside 4½" casing, 84 sks, 96.6 cu ft, Mesaverde-DV Tool, 2245'-2796'.**
- **Plug III, Lower Chacra-Upper Chacra:** Spot Plug III inside 4½" casing from 1890' to 1400' w/38 sks, 43.7 cu ft Class G neat cement to cover the Lower Chacra & Upper Chacra tops. Displaced with 5.4 bbls of water. **Plug III, Inside 4½" casing, 38 sks, 43.7 cu ft, Upper Chacra-Lower Chacra, 1400'-1890'.**
- **Plug IV, Pictured Cliffs-Fruitland- Kirtland-Ojo Alamo :** Spot Plug IV inside 4½" casing from 1180' to 420' w/60 sks, 69 cu ft Class G neat cement to cover the Pictured Cliffs & Fruitland-Kirtland & Ojo Alamo tops. Displaced with 5.4 bbls of water. **Plug IV, Inside 4½" casing, 60 sks, 69 cu ft, Pictured Cliffs-Fruitland- Kirtland-Ojo Alamo, 420'-1180'.**
- **Plug V, Surface:** Spot plug V inside 4½" casing from 292' to surface w/37 sks, 42.55 cu ft Class G neat cement to cover the surface casing shoe to surface. No displacement. WOC overnight. MI welder, cut wellhead off, tagged TOC at 1' inside, 15' annulus. **Plug V, Inside 4½" casing, 37 sks, 42.55 cu ft, surface casing shoe-Surface, 0-292'.**
- Fill cellar and install dry hole marker with 20 sks, 23 cu ft, Class G neat cement.
- RD Aztec Well Service Rig 481. Clean location, move.
- Monty Gomez with BLM witnessed the job.
- Photos of P&A marker and GPS coordinates attached per NMOCD COA.
- **Well P&A'ed on 1/22/2026.**

5 BLM 1 File

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31,1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.: NM 5452

6. If Indian, Allotted or Tribe Name:

7. If Unit or CA, Agreement Designation:

1. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator: Dugan Production Corp.

8. Well Name and No.: Navajo 18 #1

3. Address and Telephone No.: P.O. Box 420 , Farmington, NM 87499 (505) 325 - 1821

9. API Well No.: 30 043 20286

Location of Well (Footage, Sec., T., R., M., or Survey Description)

790' FSL & 1810' FWL
Sec. 18, T22N, R6W, NMPM

10. Field and Pool, or Exploratory Area: Rusty Chacra

11. County or Parish, State: Sandoval, NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
☐ Notice of Intent	☒ Abandonment	☐ Change of Plans
☒ Subsequent Report	☐ Recompletion	☐ New Construction
☐ Final Abandonment Notice	☐ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut-Off
	☐ Altering Casing	☐ Conversion to Injection
	☐ Other _____	☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Plugged well as follows:

1) Set CIBP @ 1,770', spotted12 sx (14.16 cu.ft.) Class "B" cement on top of CIBP 1,620' – 1,770'.

2) Spotted cement plug 51 sx (60.18 cu.ft.) Class "B" cement 830' – 1,500' (Ojo Alamo, Fruitland & Picture Cliffs plug).

3) Spotted cement plug 15 sx (17.7 cu.ft.) Class "B" cement surface – 200' (surface plug).

4) Job complete 12/13/01.

DEC 2001
RECEIVED

14. I hereby certify that the foregoing is true and correct

Signed Terry Kochis Title Engineer Date 12/14/2001

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

OR RECOR

18 2001

Title 18 U.S.C. Section 1001, makes 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.

*See Instruction on Reverse Side

NMOCD

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.: NM0556258
6. If Indian, Allottee or Tribe Name:
7. If Unit or CA, Agreement Designation:
1. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other
8. Well Name and No.: Gulf Federal #2
2. Name of Operator: HICKS OIL & GAS, INC.
9. API Well No.: 30-043-20172
3. Address and Telephone No.: P.O. Drawer 3307, Farmington, NM 87499 505-327-4902
10. Field and Pool, or Exploratory Area: Rusty Chacra
4. Location of Well (Footage, Sec., T., R., M., or Survey Description): 1860' FNL & 1780' FEL, Sec. 11-T22N-R7W, 7004' GR
11. County or Parish, State: Sandoval County, NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
☐ Notice of Intent	☒ Abandonment	☐ Change of Plans
☒ Subsequent Report	☐ Recompletion	☐ New Construction
☐ Final Abandonment Notice	☐ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut-Off
	☐ Altering Casing	☐ Conversion to Injection
	☐ Other _____	☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The subject well was permanently P & A'd as follows:

2/4/94 • Pumped 212 cf of Class "B" cement w/50 1" ball sealers down 4½", 10.5# casing to 1998' w/no displacement.
- Rusty Chacra perforations @ 1950'-56', 1967'-74', 1982'-88' & 1992'-98' (2 spf).
- Let cement set & cement was at surface.
- Erected dry hole marker.

RECEIVED
FEB 7 1994
OIL CON. DIV.
DIST. 3

Approved as to plugging of the well bore. Liability under bond is retained until surface restoration is completed.

RECEIVED
BLM
94 FEB -7 PM 1:15
070 FARMINGTON, NM

14. I hereby certify that the foregoing is true and correct
Signed Jim Hicks Title President Date 2/4/94

(This space for Federal or State office use)
Approved by _____ Title _____ Date FEB 14 1994
Conditions of approval, if any:

APPROVED
DISTRICT MANAGER

Title 18 U.S.C. Section 1001, makes 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.

*See Instruction on Reverse Side NMOCD

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd , Aztec, NM 87410
District IV
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
May 27, 2004

WELL API NO. 30-~~045~~-20165 043
5. Indicate Type of Lease STATE X FEE
6. State Oil & Gas Lease No. K-04844 expired 4/30/04

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.)

7. Lease Name or Unit Agreement Name **Dana State**
1. Type of Well: X Oil Well Gas Well Other
8. Well Number **1**
2. Name of Operator **Hicks Oil & Gas, Inc.**
9. OGRID Number **10413**
3. Address of Operator **P.O. Box 3307, Farmington, NM 87499-3307**
10. Pool name or Wildcat **Rusty Gallup**
4. Well Location
Unit Letter **G** : **1710** feet from the **North** line and **1710** feet from the **East** line
Section **16** Township **22N** Range **7W** NMPM **Sandoval** County
11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* **6891** ' GL ' KB

Pit or Below-grade Tank Application ☐ or Closure ☐
Pit type_____ Depth to Groundwater_____ Distance from nearest fresh water well_____ Distance from nearest surface water_____
Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	X
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
OTHER:	☐			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 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

RCVD MAR 9 '09
OIL CONS. DIV.
DIST. 3

Hicks Oil & Gas, Inc. plugged and abandoned this well per the attached report.
2-16-09

I hereby certify that the information above is true and complete to the best of my knowledge and belief. **I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.**

SIGNATURE [signature] TITLE **Agent** DATE 03/03/09
Jim Hicks
Type or print name E-mail address: hoginc@qwest.net Telephone No. 505-327-4902
For State Use Only

APPROVED BY: [signature] TITLE Deputy Oil & Gas Inspector, District #3 DATE MAR 18 2009
Conditions of Approval (if any):

A-PLUS WELL SERVICE, INC.
P.O. BOX 1979
Farmington, New Mexico 87499
505-325-2627 * fax: 505-325-1211

Hicks Oil & Gas, Inc. February 20, 2009
Dana State #1 Page 1 of 2

1710' FNL & 1710' FEL, Section 16, T-22-N, R-7-W
Sandoval County, NM
Lease Number: K04844 **Plug & Abandonment Report**
API #30-043-20165

Plugging Summary: Notified NMOCD on 2/9/09

2/09/09 Road rig and equipment to location. Chain up equipment. MOL and RU. Open up well, no pressure. LD polish rod with stuffing box. TOH and LD 203 - ¾" rods and 2" topset pump. ND wellhead. PU on tubing; free. MU 8.625" companion flange. NU BOP and test. PU on tubing and LD donut. SI well. SDFD.

2/10/09 Open up well; no pressure. TOH and tally 160 joints 2.375" tubing, SN and saw tooth collar. Total tally, 4887'. Round trip 4.5" casing scraper to 4885'. TIH and set 4.5" DHS cement retainer at 4738'. Pressure test tubing to 1000 PSI. Sting out of CR. Load casing with 5.5 bbls of water. Circulate well clean with 75 bbls of water. Attempt to pressure test casing; leak 1 bpm at 750 PSI.
Plug #1 with CR at 4738', spot 16 sxs Class B cement (19 cf) inside casing from 4738' up to 4528' to isolate the Gallup interval. Note: excess cement due to casing leak.
SI well and WOC overnight. SDFD.

2/11/09 Open up well; no pressure. TIH with tubing and tag plug #1 at 4550'. TOH with tubing. Perforate 3 squeeze holes at 2444'. TIH and set 4.5" DHS cement retainer at 2393'. Attempt to establish rate into squeeze holes; pressured up to 800 PSI and held. Sting out of CR. Attempt to pressure test casing; leak 1 bpm at 750 PSI; establish circulation out bradenhead valve. Kelly Roberts, NMOCD representative, approved procedure change to set inside plug only.
Plug #2 with CR at 2393', spot 12 sxs Class B cement (15 cf) inside casing from 2393' to 2235' to cover the Mesaverde top.
PUH and WOC overnight. SI well. SDFD.

2/12/09 Open up well; no pressure. Load casing with 8.5 bbls of water. Shut in casing and pump 2 more bbls of water; establish circulation out bradenhead. SI bradenhead and establish rate 1 bpm at 750 PSI into casing leak. RIH with wireline and tag cement from plug #2 at 2246'. Perforate 3 squeeze holes 2030'. TIH with 4.5" DHS cement retainer and set at 1982'. Sting into CR. Establish rate under the CR at 1 bpm at 200 PSI.
Plug #3 with CR at 1982', mix and pump 52 sxs Class B cement (62 cf) with 2% $CaCl_2$, squeeze 28 sxs below CR and outside 4.5" casing and leave 24 sxs inside casing above the CR from 1982' up to 1880' to cover the Chacra top. Note: While pumping below CR, communication established out the casing valve. Reverse circulate after LD 4 joints tubing. Derrick Vigil, NMOCD, approved plug.

A-PLUS WELL SERVICE, INC.
P.O. BOX 1979
Farmington, New Mexico 87499
505-325-2627 * fax: 505-325-1211

Hicks Oil & Gas, Inc. February 20, 2009
Dana State #1 Page 2 of 2

Plugging Summary Continued:

2/12/09 **Continued:** TOH and WOC. RIH with wireline and tag cement from plug #3 at 1652'. Perforate 3 squeeze holes at 1467'. TIH with 4.5" DHS cement retainer and set at 1417'. Establish rate 1 bpm at 500 PSI with ½ bpm returns out casing valve. Pressure test tubing to 1000 PSI, held OK.
Plug #4 and 5 combined, with CR at 1417', mix and pump 202 sxs Class B cement (239 cf), squeeze 170 sxs below CR and outside 4.5" casing and leave 32 sxs inside casing above the CR from 1467' up to 996' cover the Pictured Cliffs, Fruitland and Kirtland tops.
PUH and WOC overnight. SI well. SDFD.

2/16/09 Open up well; no pressure. Attempt to pressure test casing, leak ¾ bpm at 700 PSI. RIH with wireline and tag cement from plug #4 at 861'. Note: Cement tagged high where the Ojo Alamo was to be spotted. Procedure change approved Derrick Vigil, NMOCD. Perforate 3 squeeze holes at 182'. TIH with 4.5" DHS cement retainer and set at 132'. Sting out of CR. Pressure test casing to 800 PSI. Sting into CR and establish rate 1 bpm at 250 PSI with good returns out BH.
Plug #6 with CR at 132', mix and pump 81 sxs Class B cement (96 cf), squeeze 65 sxs below CR and circulate cement to surface; SI bradenhead and pressured up to 1000 PSI; sting out of CR and pressure was 500 PSI; spot 16 sxs inside casing above CR from 132' to surface, circulate good returns out casing valve to pit. Note: Leave bradenhead SI. TOH and LD tubing.
SI well and WOC. ND BOP. Issue Hot Work Permit. Cut off wellhead. Found cement at surface. RD. Set P&A marker with 15 sxs cement. MOL.

Derrick Vigil, NMOCD representative, was on location.

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

Sundry Print Report
11/04/2024

Well Name: RUSTY FEDERAL	**Well Location:** T22N / R7W / SEC 14 / SENE / 36.141358 / -107.538685	**County or Parish/State:** SANDOVAL / NM
Well Number: 2	**Type of Well:** CONVENTIONAL GAS WELL	**Allottee or Tribe Name:**
Lease Number: NMNM0554433	**Unit or CA Name:**	**Unit or CA Number:**
US Well Number: 3004320157	**Operator:** M & M PRODUCTION & OPERATION	

Subsequent Report

Sundry ID: 2820367

Type of Submission: Subsequent Report

Type of Action: Plug and Abandonment

Date Sundry Submitted: 11/01/2024

Time Sundry Submitted: 09:41

Date Operation Actually Began: 09/23/2024

Actual Procedure: Enduring Resources as the record title owner plugged and abandoned said well for M&M production base on Notice of Written Order 22KR0107W issued by BLM. See attached work summary, wellbore diagram, CBL, and photos.

SR Attachments

Actual Procedure

Rusty_Federal_002_CBL_20241101093836.pdf

SR_PA_RUSTY_FEDERAL_002_20241101093834.pdf

BLM Point of Contact

BLM POC Name: KENNETH G RENNICK

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5055647742

BLM POC Email Address: krennick@blm.gov

Disposition: Accepted

Disposition Date: 11/04/2024

Signature: Kenneth Rennick

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB
No. 1004-0137 Expires:
December 31, 2024

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE *- Other instructions on page 2*

5. Lease Serial No. NMNM0554433

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No.

1. Type of Well
☐ Oil Well ☑ Gas Well ☐ Other

8. Well Name and No. RUSTY FEDERAL 002

2. Name of Operator M&M PRODUCTION & OPERATING

9. API Well No. 30-043-20157

3a. Address PO BOX 175
COUNSELOR, NM 87018

3b. Phone No. *(include area code)*

10. Field and Pool or Exploratory Area
RUSTY CHACRA

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*
1850' FNL & 800' FEL SEC 14-22N-07W 36.1413574 -107.5386734

11. Country or Parish, State
SANDOVAL COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☑ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☑ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

Enduring Resources as the record title owner plugged and abandoned said well for M&M production base on Notice of Written Order 22KR0107W issued by BLM. See attached work summary, wellbore diagram, CBL, and photos.

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)*
Heather Huntington

Title Permitting Technician

Signature Heather Huntington

Date 10/31/2024

THE SPACE FOR FEDERAL OR STATE OFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

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)

Rusty Federal 002 API 30-043-20157 P&A Work Summary

9/23/24- Move AWS 812 WOR & equipment to location. Spot base beam & rig & equipment. Rig up WOR. Tried to brake out a bad valve to check SITP. Wellhead was rusted out at the bottom of wellhead. Welded on gussets on the bottom of wellhead to stabilize wellhead. SITP 0 psi. SICP 0 psi. SIBH 0 psi. Brake off rusted up wellhead cap. Tried various size flanges and did not have one to fit. Pulled rusted in slips. Landed well back on slips. SWI & secured well, equipment & location for the night. Natasha Dishface with BLM on location to witness.

9/24/24-PJSM, SITP 0 psi. SICP 0 psi. SIBH 0 psi. Make up companion flange. Had to weld up wellhead some more to keep gussets from pulling out of rusted up wellhead, Strip over BOP. Rig up work floor. Laid down 59 jnt 1 2/ IJ tbg. Change over Handling tools & pipe rams to 2 3/8. Prep & tally 2 3/8 PH6 work string. MU 2 3.8" mule shoe on 2 3/8 PH6 work string. RIH tag @ 3100'. Rolled hole w/ 50 bbls freshwater. Pump Menefee, Cliff House plug #1. Inside balance plug 3100'-2486'. 614' plug. Mix & pump 41 sxs 10 bbls 14.6 ppg type lll cmt down 2 3/8" PH6 work string. Disp w/ 8 bbls freshwater. LD 22 jnts. POOH w/ 15 stands 2 3/8" PH6 work string to 1474'. SIW & secure. Received approval from Kenneth Rennick BLM PE & Loren Diede NMOCD to run log after covering up Chacra perfs, Set balance plug over Chacra perfs. Natasha Dishface BLM rep onsite to witness.

9/25/24- PJSM. Service & start equipment. SITP Vac. SICP 0 psi. SIBH 0 psi. RIH tag Plug #1 TOC @ 2466'. LD 2 3/8 PH6 tbg to 1942'. Load hole w/ 10 bbls freshwater circ 2 bbls to waste pit. Pump Chacra plug #2. Inside balance plug 1762'-1942'. 180' plug. Mix & pump 12 sxs 3 bbls 14.6 ppg type lll cmt down 2 3/8 PH6 tbg. Disp w/ 5.9 bbls freshwater. LD 8 jnts 2 3/8 PH6 tbg. POOH w 10 stand 2 3/8 PH6 tbg to 1069'. WOC. RIH tag Chacra plug #2 TOC @ 1724' 107' above Chacra formation top @ 1831'. 156' above Chacra TP @ 1880'. Pressure test failed leaking @ rusted out wellhead. LD 2 3/8" PH6 tbg to 1506'. POOH w/ 24 stands 2 3/8 PH6 tbg. RU wireline truck. Ran CBL 1715'- surface . RD wireline truck. MU 2 3/8" tag sub on 2 3/8" PH6 tbg RIH to 1506'. SWI. Secured well, equipment & location for the night. Natasha Dishface BLM rep onsite to witness.

9/26/24- PJSM. Service & start equipment. SITP-0 psi. SICP-0 psi. SIBHP-0 psi. Pump Picture Cliffs, Fruitland & Ojo Alamo plug #3. Inside balance plug 1506'-773' (733' plug). Mix & pump 49 sxs 11.9 bbls 14.6 ppg type lll cmt down 2 3/8" PH6 tbg. Disp w/ 2.6 bbls freshwater. LD 26 jnts 2 3/8" PH6 tbg. POOH & stand back 11 stands 2 3/8" PH6 tbg. WOC. RIH w 2 3/8" PH6 tbg tag plug #3 @ 915' (35' below Ojo Alamo formation top @ 880'). Pump Olo Alamo top off plug #4. Inside balance plug. 915' - 730' (185' plug). Mix & pump 12 sxs 3 bbls 14.6 ppg type lll cmt down 2 3/8 tbg. Disp w/ 2 bbls freshwater. LD 9 jnts 2 3/8 PH6 tbg. POOH w/ 10 Stands 2 3/8 PH6 tbg. WOC. RIH tag plug #4 @ 749' (131' above Ojo Alamo formation top @ 880') LD 2 3/8 PH6 to surface. SWI. Secured well. Natasha Dishface BLM rep onsite to witness.

9/27/24- PJSM. Service & start equipment. SICP- 0 psi. SIBHP- 0 psi. RU wireline truck. RIH w/ 3 1/8 4 SPF perf gun. Shot 4 1/2 csg @ 142'. RD wireline truck. Pump down 4 1/2" csg up 8 5/8 SC. Pump 19 bbls to get circ. Circ 14 bbls to waste pit. Pump Nacimiento, 8 5/8 SC & 8 5/8 SC shoe. Plug #5 Mix & pump 25 sxs 6 bbls 14.6 ppg type lll down 4 1/2" csg up 8 5/8 SC. lost circ continue mixing & pumping cmt. Pumped a total of 135 sxs 33 bbls 14.6 ppg type lll cmt & did not get circ back. WOC. tag TOC in 4 1/2 csg @ surface. Cut off wellhead. Tag TOC in 8 5/8 SC @ 22'. Weld on P&A marker. Run 1" Polly pipe 22' down 8 5/8" X 4 1/2" annulus. Topped off casings & wellhead cellar w/ 15 sxs 3.6 bbls type lll cmt. Rig down AWS WOR 812 & Drake cmt equipment. Natasha Dishface BLM rep

onsite to witness. Got verbal approval from Kenneth Rennick BLM and Loren Diede NMOCD to cut off wellhead & top 8 5/8 X 4 1/2 annulus w/ Polly pipe. Released Equipment

OPERATOR: ENDURING RESOURCES
WELL: Rusty Federal 002
FIELD: Lybrook
API # 30-043-20157
ER WELL #: NM03054.01
WI/NRI: 0.00% / 0.0000%

CNTY: Sandoval FTG: 1850' FNL & 800' FEL
STATE: NM Q-Q: SENE
SPUD: 11/18/74 SEC.: 14
COMP: 04/19/75 TWS: 22N
STATUS: WSI RGE: 7W
WBD DATE: 9.30.2024 BY: SAO

AS PLUGGED WELLBORE DIAGRAM

KBE: 6781 '
KB: 13 '
GLE: 6768 '
TOC @ 0' 9/19/1987

12-1/4" Hole
8-5/8" 24.0# csg @ 92 '
177 ft3 Class B Cmt w/2%CaCl Cmt to surf

FORMATION TOPS

Nacimiento @	0	
Ojo Alamo @	880	Modified per COA
Kirtland @	0	
Fruitland @	1139	
Pictured Cliffs @	1451	
Lewis @	0	
Chacra @	1831	
Cliff House @	2531	
Menefee	2971	
Point Lookout @	3852	

Top Perf 1880
Bottom Perf 1884

Cement Retainer 3100

Top Perf 3406

ORIG PBTD @ 3630 '
4-1/2" 11.6# Csg @ 3711 '
TD @ 3885 '

CASING RECORD

HOLE (in)	SIZE (in)	WT (lb/ft)	GRADE	TOP (ft)	BTM (ft)	ID (in)
12 1/4	8 5/8	24.00	K55	0	92	8.097
7 7/8	4 1/2	9.50	K55	0	3711	4.052

PERFORATION RECORD

ZONE	TOP (ft)	BTM (ft)	SPF	
CHACRA	1880	1884	2	
MENEFEE?	3406	3406	1	no information on this possible perf set

PLUG #4: NACIMIENTO TOP, SURFACE CASING SHOE, SURFACE
CIRCULATED CEMENT with 8-5/8" x 4-1/2" ANNULUS TOPPED OFF VIA POLY PIPE
PERF DEPTH 142
CEMENT 0.0 ' - 142 '
PLUG VOLUME 150 sx 14.6 ppg Type III cmt

PLUG #4: OJO ALAMO TOP-OFF
BALANCED PLUG
CEMENT 749 ' - 915 ' 166 ' Interval
PLUG VOLUME 7 sx 14.6 ppg Type III cmt

PLUG #3: PICTURE CLIFFS, FRUITLAND AND OJO ALAMO TOPS
BALANCED PLUG
CEMENT 915 ' - 1506 ' 591 ' Interval
PLUG VOLUME 49 sx 14.6 ppg Type III cmt

PLUG #2: CHACRA AND CHACRA PERFORATIONS
BALANCED PLUG
CEMENT 1724 ' - 1942 ' 218 ' Interval
PLUG VOLUME 12 sx 14.6 ppg Type III cmt

PLUG #1: MENEFEE, CLIFF HOUSE
BALANCED PLUG
CEMENT 2466 ' - 3100 ' 634 ' Interval
PLUG VOLUME 41 sx 14.6 ppg Type III cmt

CEMENT & CASING INFORMATION
- ALL PLUGS ASSUME TYPE III NEAT CEMENT
- STABILIZING WELLBORE FLUID IS 8.3 PPG, SUFFICIENT TO BALANCE ALL WELLBORE PRESSURES, UNLESS NOTED OTHERWISE IN PROCEDURE

CEMENT DENSITY:	14.60 PPG
CEMENT YIELD:	1.39 CUFT / SX
MIX WATER REQUIRED:	6.69 GAL / SX
2-3/8" TUBING CAPACITY:	0.0039 BBLS / FT
4-1/2" CSG CAPACITY:	0.0912 CUFT / FT
4-1/2" CSG x 7-7/8" HOLE CAPACITY:	0.2278 CUFT / FT
4-1/2" CSG x 8-5/8" CSG CAPACITY	0.2471 CUFT / FT

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

Sundry Print Report

11/04/2024

Well Name: RUSTY FEDERAL	**Well Location:** T22N / R7W / SEC 13 / SWSW / 36.13402 / -107.533412	**County or Parish/State:** SANDOVAL / NM
Well Number: 4	**Type of Well:** CONVENTIONAL GAS WELL	**Allottee or Tribe Name:**
Lease Number: NMNM0554433	**Unit or CA Name:**	**Unit or CA Number:**
US Well Number: 3004320190	**Operator:** M & M PRODUCTION & OPERATION	

Subsequent Report

Sundry ID: 2820372

Type of Submission: Subsequent Report

Type of Action: Plug and Abandonment

Date Sundry Submitted: 11/01/2024

Time Sundry Submitted: 09:53

Date Operation Actually Began: 10/16/2024

Actual Procedure: Enduring Resources as the record title owner plugged and abandoned said well for M&M production based on Notice of Written Order 22KR0109W issued by BLM. See attached work summary, wellbore diagram, CBL, and photos.

SR Attachments

Actual Procedure

Rusty_Federal_004_CBL_20241101095208.pdf

SR_PA_RUSTY_FEDERAL_004_20241101095206.pdf

BLM Point of Contact

BLM POC Name: KENNETH G RENNICK

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5055647742

BLM POC Email Address: krennick@blm.gov

Disposition: Accepted

Disposition Date: 11/04/2024

Signature: Kenneth Rennick

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB
No. 1004-0137 Expires:
December 31, 2024

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE *- Other instructions on page 2*

5. Lease Serial No. NMNM0554433

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No.

1. Type of Well
☐ Oil Well ☑ Gas Well ☐ Other

8. Well Name and No. RUSTY FEDERAL 004

2. Name of Operator M&M PRODUCTION & OPERATING

9. API Well No. 30-043-20190

3a. Address PO BOX 175
COUNSELOR, NM 87018

3b. Phone No. *(include area code)*

10. Field and Pool or Exploratory Area
RUSTY CHACRA

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*
800 FSL & 800 FWL SEC13-T22N-R07W 36.1340141-107.5334244

11. Country or Parish, State
SANDOVAL COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☑ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☑ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

Enduring Resources as the record title owner plugged and abandoned said well for M&M production base on Notice of Written Order 22KR0109W issued by BLM. See attached work summary, wellbore diagram, CBL, and photos.

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)*
Heather Huntington

Title Permitting Technician

Signature Heather Huntington

Date 11/01/2024

THE SPACE FOR FEDERAL OR STATE OFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

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)

Rusty Federal 004 API 30-043-20190 P&A Work Summary

10/16/24-Move AWS WOR 748 & cmt equipment to location, SITP 5 psi, SICP. SICP 35 psi. SIBNP 0 psi. Spot base beam & WOR. Rig up WOR. Bleed well down to 0 psi. Tried to get wellhead cap broke loose beating and tugging on wellhead cap w/ 60" pipe wrench & winch line. Tried to break out homemade 1 1/2" X 1" x-over and it broke @ the top of the slips in the wellhead. Got cap to break loose. Spear 1 1/2" tbg. Strip on BOP. SWI secure well. BLM rep Casey Arnett on location to witness.

10/17/24- PJSM. Service & start equipment. SITP 0 psi. SICP 0 psi. SIBHP 0 psi. Rig up work floor. Laid down 54 jnts 1 1/2 IJ tbg. Change over handling tools & pipe rams to 2 3/8". MU 4 1/2" csg scraper on 2 3/8 PH6 work string. PU & RIH to 1724'. POOH w/ 55 jnts 2 3/8 PH6 work string & csg scraper. standing back in derrick. MU 4 1/2" CR on 2 3/8" PH6 work string. RIH to 1700' set CR. Pressure test 2 3/8" PH6 tbg to 1000 psi sting out of CR rolled hole w/ 27 bbls freshwater. Pressure test 4 1/2 csg to 600 psi failed. Sting into CR Got inj rate 2 BPM @ 150 psi. Pump Chacra plug #1. Mix & pump 18 sxs 3.6 bbls 15.8 ppg class G cmt down 2 3/8" PH6 tbg. Disp w/ 4 bbls freshwater sting out of CR disp w/ 1 bbl freshwater. 10 sxs below CR. 8 sxs on top of CR. lay down 5 jnts. POOH w/ 2 3/8 PH6 & setting tool standing back in derrick. Rig up Wireline truck. Run CBL from 1580' to surface. SIW WOC secure well, equipment & location. BLM rep Casey Arnett on location to witness.

10/18/24- PJSM. SICP 0 psi. SIBHP 0 psi. Service & start equipment. MU 2 3/8" tag sub 0n 2 3/8" PH6 tbg. RIH Tag Chacra plug #1 @ 1623'. (77' above CR @ 1700'). LD 2 3/8" PH6 to 1411'. Pump Picture Cliffs, Fruitland & Ojo Alamo plug #2. inside balance plug 1411'-741'. (670' plug) Mix & pump 52 sxs class g cmt dwn 2 3/8" PH6 tbg. Disp w/ 2.5 bbls freshwater. LD 25 jnts 2 3/8" PH6 tbg. POOH WOC. RIH Tag plug #2 @ 826' (23' above Ojo Alamo formation top @ 849') did not get 50' of cement above formation top. Rev cln. Pressure test 4 1/2 csg to 600 psi failed. Pumped Ojo Alamo top off plug #3. Inside balance plug 826'-607' (219' plug). Mix & pump 17 sxs 3.4 bbls 15.8 ppg class G cmt down 2 3/8" PH6 tbg. Disp w/ 2 bbls freshwater. laid down 10 jnts 2 3/8" PH6 tbg. POOH to surface w/ 2 3/8" PH6 tbg & tag sub standing tbg back in derrick. SIW. Secured well, equipment & location for the weekend. BLM rep Casey Arnett on location to witness.

10/21/24- PJSM, Service & start equipment. SICP 0 psi. SIBHP 0 psi, RIH w/ 2 38" tag sub. Tag Ojo Alamo top off plug #3 @ 627' (222' above Ojo Alamo formation top @ 849'). Laid down 2 3/8" PH6 tbg to 167'. Pump Nacimiento, Surface csg shoe & 8 5/8" surface csg plug #4. inside balance plug 167' to surface. 167' plug. Mix & pump 18 sxs 3.6 bbls 15.8 ppg class g cmt down 2 3/8" PH6 tbg circ good cmt to surface. Laid down 2 3/8" PH6 tbg to surface. Rig down work floor. NDBOP & wash out BOP. WOC. Cut off wellhead. 4 1/2 prod csg TOC @ surface. 8 5/8 surface csg TOC 8' from surface. Weld on P&A marker. Mix & pump 15 sxs 3 bbls 15.8 ppg class G cmt to top off casings & wellhead cellar. BLM rep Casey Arnett on location to witness.

OPERATOR: ENDURING RESOURCES
WELL: Rusty Federal 004
FIELD: Lybrook
API # 30-043-20190
ER WELL #: NM03056.01
WI/NRI: 0.00% / 0.0000%

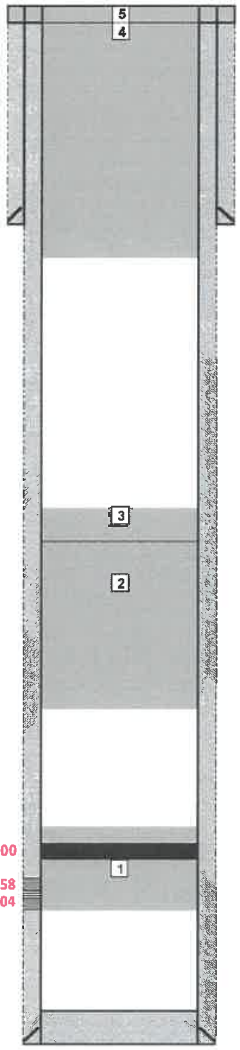
CNTY: Sandoval FTG: 800' FSL & 800' FWL
STATE: NM Q-Q: SWSW
SPUD: 10/08/75 SEC.: 13
COMP: 10/26/75 TWS: 22N
STATUS: WSI RGE: 7W
WBD DATE: 10.24.2024 BY: SO

36.13404140 N
107.5334244 W

AS PLUGGED P&A DIAGRAM

KBE: 6781 '
KB: 13 '
GLE: 6768 '
TOC @ 0' 9/19/1987

12-1/4" Hole
8-5/8" 24.0# csg @ 97 '
177 ft3 Class B Cmt w/2%CaCl Cmt to surf



CASING RECORD

HOLE (in)	SIZE (in)	WT (lb/ft)	GRADE	TOP (ft)	BTM (ft)	ID (in)
12 1/4	8 5/8	24.00	K55	0	97	8.097
7 7/8	4 1/2	10.50	K55	0	1972	4.052

PERFORATION RECORD

ZONE	TOP (ft)	BTM (ft)	SPF
CHACRA	1758	1804	2

PLUG #5: SURFACE TOP-OFF AND CELLAR
PLUG VOLUME 15 sx Class G TOC = Surface

PLUG #4: NACIMIENTO TOP, SURFACE CASING SHOE, SURFACE
BALANCED PLUG
CEMENT 0 ' - 167 '
PLUG VOLUME 18 sx Class G TOC = Surface

PLUG #3: OJO ALAMO TOP-OFF
BALANCED PLUG
Ojo Alamo@ 849 '
CEMENT 627 ' - 826 '
PLUG VOLUME 17 sx Class G TOC = 627'

PLUG #2: PICTURE CLIFFS, FRUITLAND AND OJO ALAMO TOPS
BALANCED PLUG
Ojo Alamo@ 849 '
CEMENT 826 ' - 1411 '
PLUG VOLUME 52 sx Class G TOC = 826'

PLUG #1: CHACRA AND CHACRA PERFORATIONS
PERF HOLES 54
4-1/2" CR 1700 '
CEMENT 1623 ' - 1804 '
PLUG VOLUME 10 sx Class G THRU CICR TOC = 1700'
PLUG VOLUME 8 sx Class G ABOVE CICR TOC = 1623'

FORMATION TOPS

Nacimiento @	0
Ojo Alamo @	849
Kirtland @	0
Fruitland @	1050
Pictured Cliffs @	1351
Lewis @	0
Chacra @	1740
Cliff House @	0
Menefee	0
Point Lookout @	0
Mancos @	0
Gallup @	0
0	0
0	0
0	0
0	0

CICR 1700
Top Perf 1758
Bottom Perf 1804

ORIG PBTD @ 1943 '
4-1/2" 11.6# Csg @ 1972 '
TD 1974 '

Rusty Federal 004 As Plugged WBD - 10.29.2024

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

Sundry Print Report

10/18/2024

Well Name: RUSTY FEDERAL	**Well Location:** T22N / R7W / SEC 11 / SESE / 36.148637 / -107.538525	**County or Parish/State:** SANDOVAL / NM
Well Number: 1	**Type of Well:** CONVENTIONAL GAS WELL	**Allottee or Tribe Name:**
Lease Number: NMNM0554433	**Unit or CA Name:**	**Unit or CA Number:**
US Well Number: 300432015000S1	**Operator:** M & M PRODUCTION & OPERATION	

Subsequent Report

Sundry ID: 2817772

Type of Submission: Subsequent Report

Type of Action: Plug and Abandonment

Date Sundry Submitted: 10/18/2024

Time Sundry Submitted: 12:20

Date Operation Actually Began: 09/16/2024

Actual Procedure: Enduring Resources as the record title owner plugged and abandoned said well for M&M production base on Notice of Written Order 22KR0106W issued by BLM. See attached work summary, wellbore diagram, CBL, and photos.

SR Attachments

Actual Procedure

SR_ABD_1_3004320150_20241018121655.pdf

BLM Point of Contact

BLM POC Name: KENNETH G RENNICK

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5055647742

BLM POC Email Address: krennick@blm.gov

Disposition: Accepted

Disposition Date: 10/18/2024

Signature: Kenneth Rennick

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB
No. 1004-0137 Expires
December 31, 2024

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

***SUBMIT IN TRIPLICATE** - Other instructions on page 2*

5. Lease Serial No. NMNM0554433

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No.

1. Type of Well
☐ Oil Well ☑ Gas Well ☐ Other

8. Well Name and No. RUSTY FEDERAL 001

2. Name of Operator M&M PRODUCTION & OPERATING

9. API Well No. 30-043-20150

3a. Address PO BOX 175
COUNSELOR, NM 87018

3b. Phone No. *(include area code)*

10. Field and Pool or Exploratory Area
RUSTY CHACRA

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*
800 FSL & 800 FEL SEC 11-22N-07W 36.148632 -107.5385132

11. Country or Parish, State
SANDOVAL COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☑ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☑ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

Enduring Resources as the record title owner plugged and abandoned said well for M&M production base on Notice of Written Order 22KR0106W issued by BLM. See attached work summary, wellbore diagram, CBL, and photos.

Received

OCT 18 2024

Farmington Field Office
Bureau of Land Management

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)*
Heather Huntington

Title Permitting Technician

Signature Heather Huntington

Date 10/18/2024

THE SPACE FOR FEDERAL OR STATE OFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon,

Office

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)

Rusty Federal 001 API 30-043-20150 P&A Work Summary

9/16/24-PJSM. Service 7 start equipment. Load rig equipment. Move AWS WOR 812 to Rusty fed 1. Got halfway to location started to rain making roads getting to the Rusty Fed 1 impassable w/ rig & rig equipment. Found a close location to park rig on. Chained up rig. Chained up rig up truck and moved rig equipment to a secure location that we could get to. wait to see if the weather was going to brake. SD due to bad weather & roads.

9/17/24-PJSM. Service & start equipment. Move AWS WOR 812 & rig equipment to the Rusty Fed #1, Spot base beam. Rig up WOR & cmt equipment. SITP 260 psi. SICP 260 psi. SIBHP 0 psi. blow well down. Pump 5 bbls down tbg. Pump 10 bbls down 2 7/8" csg. Brake loses rusted up wellhead cap. Pulled rusted up slips. Laid down 1 jnt 1 1/2 IJ tbg, 58 jnts 1 1/4" IJ tbg & 1 jnt of 1" IJ tbg w/ mule shoe cut on the end. Bottom jnt had heavy scale on it. Tall & pick up 58 jnts 1 1/4" IJ work string to 1889'. SWI & secured well, Equipment & location for thru Night

9/18/24-PJSM. Service & start equipment. SITP- 0 psi. SICP- 0 psi. SIBHP- 0 psi. RIH w 1 1/4 IJ work string tag Chacra plug @ 1761' (138 ' above Chacra formation top @ 1899') LD 1 1/4 IJ tag to 1631'. Pressure test 2 7/8" cog to 540 psi. Pressure dropped to 485 psi in 5 min 65 psi loss. Tested multiple times, test failed. LD 1 1/4" IJ tag to 1305'. POOH w/ 20 stands of 1 1/4" IJ tbg. RU wireline truck. Ran CBL from 1732" to surface. RD wireline truck. RIH w/ 1 1/4" IJ tbg to 1598'. Wait on approval from NMOCD. Pump PC, Fruitland plug #2. inside balance plug 1598'-1135'. 463' plug. Mix & pump 11 sxs Type lll 14.6 ppg cmt down 1 1/4" tbg displace w/ 1 1/2 bbls. LD 1 1/4 IJ tbg to 1111'. Rev cln. POOH standing back 17 stands 1 1/4 IJ tbg. SI & secured well, equipment & location for the night

9/19/24-PJSM. Service & start equipment. SITP- 0 psi. SICP- 0 psi. SIBHP- 0 psi. RIH w 1 1/4 IJ work string tag Chacra plug @ 1761' (138 ' above Chacra formation top @ 1899') LD 1 1/4 IJ tag to 1631'. Pressure test 2 7/8" cog to 540 psi. Pressure dropped to 485 psi in 5 min 65 psi loss. tested multiple times test failed. LD 1 1/4" IJ tag to 1305'. POOH w/ 20 stands of 1 1/4" IJ tbg. RU wireline truck. Ran CBL from 1732" to surface. RD wireline truck. RIH w/ 1 1/4" IJ tbg to 1598'. Wait on approval from NMOCD. Pump PC, Fruitland plug #2. inside balance plug 1598'-1135'. 463' plug. Mix & pump 11 sxs Type lll 14.6 ppg cmt down 1 1/4" tbg displace w/ 1 1/2 bbls. LD 1 1/4 IJ tbg to 1111'. Rev cln. POOH standing back 17 stands 1 1/4 IJ tbg. SI & secured well, equipment & location for the night

9/20/24-Crew travel to location PJSM, SICP 0 psi. SIBHP 0 psi. Service & start equipment. Open well up RIH w/ 1 1/4" IJ tbg tag Fruitland Plug #2 @ 1235' 10' above Fruitland top @ 1245'. Pressure test 2 7/8 csg to 560 psi good test Pump Fruitland top off plug #3. inside balance plug 1235' to 1078'. Mix & pump 10 sxs down 1 1/4" IJ tbg disp w/ 1 bbl. LD 1 1/4" IJ tbg to 1078'. Rev cln w/ 8 bbls freshwater LD 1 1/4" IJ tbg to surface Rig up wireline truck. RIH w/ 1 11/16" 4 SPF perf gun. Shot 2 7/8" csg @ 1040'. RD wireline truck Hook up pump truck. Started pumping down 2 7/8"csg up 8 58" SC @ 1.2 BPM @ 1000 psi. Pumped 40 bbls w/ no sign of well is trying to circ. Shut down hook up to SC. Started to pump down SC pressured up right away to 700 psi Visit w/ Kenneth Rennick BLM PE, Got approval to pump & fill 2 7/8" with cmt and try to get cement on the outside of csg uo to the Olo Alamo. Called & visit w/ Monica Kuehling w/ NMOCD. Called & visit w/ Loren Diede W/ NMOCD he approved moving forward w/ BLM approval Rig down tbg tongs, slips & work floor. NDBOP. Hook up pump truck. Pump Kirtland, Ojo Alamo & 2 7/8" csg to surface Plug #4. Mix & pump 16.6 bbls 68 sxs 14.6 ppg type lll cmt down 2 7/8" csg up 7 7/8 annulus @ 2.2 BPM @ 800 psi. 43 sxs 10.5 bbls on the outside of 2 7/8" csg

EST TOC 839' (151' above Ojo Alamo formation top @ 990'. 25 sxs 6 bbls to surface in 2 7/8" csg. SIW secured well, equipment & location for weekend. Crew travel to AWS yard.

9/23/24- PJSM. Service & start equipment. SICP 0 psi. SIBHP 0 psi. TOC in 2 7/8 csg 1' from surface. Dig out wellhead. Weld on P&A Monument. Topped casings & wellhead cellar w/ 15 sxs 14.6 ppg type lll cmt. Rig down AWS WOR 812 & Drake cmt equipment and released equipment

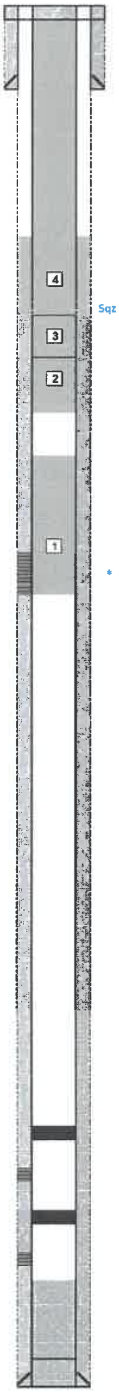
OPERATOR: ENDURING RESOURCES
WELL: Rusty Federal 001
FIELD: Lybrook
API # 30-043-20150
ER WELL #: NM03053.01
WI/NRI: 0.00% / 0.0000%

CNTY: Sandoval FTG: 800' FSL & 800' FEL
STATE: NM Q-Q: SESE
SPUD: 07/31/74 SEC.: 11
COMP: 02/01/78 TWS: 22N
STATUS: WSI RGE: 7W
WBD DATE: 9.25.2024 BY: SAO

AS PLUGGED WELLBORE DIAGRAM

KBE: 7002 '
KB: 12 '
GLE: 6990 '
TOC @ 0' 10/11/1979

12-1/4" Hole
8-5/8" 24.0# csg @ 91 '
75 sx Class B Cmt w/2%CaCl Cmt to surf



Sqz perfs @ 1040

FORMATION TOPS

Nacimiento @	0
Ojo Alamo @	990
Kirtland @	1040
Fruitland @	1245
Pictured Cliffs @	1530
Lewis @	1727
Chacra @	1899
Cliff House @	2976
Menefee	3060
Point Lookout @	3860
Mancos @	4000

Top Perf 1901
Btm Perf 1962

* Unable to mill past tight spot @ 1957

Bridge Plug 3331

Top Perf 3383
Btm Perf 3395

Bridge Plug 3471

Top Perf 3507
Btm Perf 3511

ORIG PBTD @ 3587 '

2-7/8" 6.5# Csg @ 3673 '
TD @ 4100 '

CASING RECORD

HOLE (in)	SIZE (in)	WT (lb/ft)	GRADE	TOP (ft)	BTM (ft)	ID (in)
12 1/4	8 5/8	20.00	K55	0	91	8.097
7 7/8	2 7/8	6.50	J55	0	3673	2.441

PERFORATION RECORD

ZONE	TOP (ft)	BTM (ft)	SPF
Chacra	1682	1752	1 per 4'

PLUG #4b: KIRTLAND, OJO ALAMO (OUTSIDE 2-7/8")
OUTSIDE PLUG
CEMENT 839 ' - 1040 ' 201 ' interval
PLUG VOLUME 43 sx 14.6 ppg Type III cmt.

PLUG #4a: KIRTLAND, OJO ALAMO & SURFACE (INSIDE 2-7/8")
INSIDE PLUG
CEMENT 0 ' - 1040 ' 1040 ' interval
PLUG VOLUME 25 sx 14.6 ppg Type III cmt.

PLUG #3: FRUITLAND (TOP OFF)
BALANCED PLUG
CEMENT 1078 ' - 1235 ' 157 ' interval
PLUG VOLUME 10 sx 14.6 ppg Type III cmt.

PLUG #2: PICTURED CLIFFS & FRUITLAND
BALANCED PLUG
CEMENT 1235 ' - 1598 ' 363 ' interval
PLUG VOLUME 11 sx 14.6 ppg Type III cmt.

PLUG #1: MENEFEE, CLIFFHOUSE & CHACRA
BALANCED PLUG
CEMENT 1761 ' - 1962 ' 201 ' interval
PLUG VOLUME 10 sx 14.8 ppg Type III cmt.

PROPOSED CEMENT PLUGS ASSUME TOC AS REPORTED BASED ON TS DURING DRILLING.
PLUGS WILL BE ADJUSTED AS REQUIRED BASED ON RESULTS OF CBL AND/OR PRESSURE TESTS

CEMENT & CASING INFORMATION
- ALL PLUGS ASSUME TYPE III NEAT CEMENT
- STABILIZING WELLBORE FLUID IS 8.3 PPG, SUFFICIENT TO BALANCE ALL WELLBORE PRESSURES, UNLESS NOTED OTHERWISE IN PROCEDURE

CEMENT DENSITY:	14.60 PPG
CEMENT YIELD:	1.39 CUFT / SX
MIX WATER REQUIRED:	6.69 GAL / SX
2-7/8" CSG CAPACITY:	0.0325 CUFT / FT
2-7/8" CSG x 7-7/8" ANNULUS CAPACITY:	0.2923 CUFT / FT
2-7/8" CSG x 8-5/8" CSG CAPACITY	0.3125 CUFT / FT
7-7/8" CSG x 8-5/8" CSG CAPACITY	1.3125 CUFT / FT

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

Sundry Print Report

02/02/2024

Well Name: RUSTY FEDERAL	**Well Location:** T22N / R7W / SEC 14 / SESE / 36.134028 / -107.538856	**County or Parish/State:** SANDOVAL / NM
Well Number: 3	**Type of Well:** CONVENTIONAL GAS WELL	**Allottee or Tribe Name:**
Lease Number: NMNM0554433	**Unit or CA Name:**	**Unit or CA Number:**
US Well Number: 300432017100S1	**Well Status:** Abandoned	**Operator:** M & M PRODUCTION & OPERATION

Subsequent Report

Sundry ID: 2773039

Type of Submission: Subsequent Report

Type of Action: Plug and Abandonment

Date Sundry Submitted: 02/01/2024

Time Sundry Submitted: 03:12

Date Operation Actually Began: 01/19/2024

Actual Procedure: Enduring Resources completed P&A operations on said well on 1/19/2024. The plugging of this well was done as the record title owner of the lease per the request of the BLM (Notice of Written Order: 22KR0108W). Please see attached EOW summary, wellbore diagram and well marker pictures.

SR Attachments

Actual Procedure

SR_ABD_3_3004320171_20240201151103.pdf

BLM Point of Contact

BLM POC Name: KENNETH G RENNICK

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5055647742

BLM POC Email Address: krennick@blm.gov

Disposition: Accepted

Disposition Date: 02/02/2024

Signature: Kenneth Rennick

Received

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FEB 01 2024

Farmington Field Office
Bureau of Land Management

FORM APPROVED OMB
No 1004-0137 Expires
December 31, 2024

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE *- Other instructions on page 2*

5 Lease Serial No NMNM0554433

6 If Indian, Allottee or Tribe Name

7 If Unit of CA/Agreement, Name and/or No.

1 Type of Well
☐ Oil Well ☑ Gas Well ☐ Other

8 Well Name and No RUSTY FEDERAL 003

2. Name of Operator M&M PRODUCTION & OPERATION

9 API Well No 30-043-20171

3a. Address PO BOX 175
COUNSELOR, NM 87018

3b Phone No *(include area code)*

10 Field and Pool or Exploratory Area
RUSTY CHACRA

4 Location of Well *(Footage, Sec. T.R. M. or Survey Description)*
800 FSL & 800 FEL SEC 14-22N-07W 36.1340218 -107.5388412

11 Country or Parish, State
SANDOVAL COUNTY, NM

12 CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ After Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☑ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☑ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13 Describe Proposed or Completed Operation Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones Attach the Bond under which the work will be perfonned or provide the Bond No on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection)

Enduring Resources completed P&A operations on said well on 1/19/2024. The plugging of this well was done as the record title owner of the lease per the request of the BLM (Notice of Written Order: 22KR0108W) Please see attached EOW summary, wellbore diagram and well marker pictures.

14 I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)*
HEATHER HUNTINGTON

Title PERMITTING TECHNICIAN

Signature

Date 2-1-24

THE SPACE FOR FEDERAL OR STATE OFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

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)

Enduring Resources IV, LLC
P&A End of Well Report
Rusty Federal 3
API # 30-043-20171
SE/SE, Unit P. Sec 14, T22N, R7W
Sandoval County, NM
Spud Date: 9-4-1975
Plug Date: 1-19-2024

1-16-2024:
MIRU rig and equipment. SITP = 0, SICP = 0, BH = 0. NDWH, NU BOP. Started TOOH with 1.9" IJ tubing.

1-17-2024:
TOOH with 54 jts. 1.9" IJ tubing. PU 2-3/8" workstring and TIH with bit, string mill, and 4-1/2" casing scraper to 1725'. TOOH.

1-18-2024:
TIH with 4-1/2" CR on 2-3/8" tubing. Set CR at 1701'. CR wasn't setting. Bottom slips set, and couldn't go deeper. Finally able to partially set CR at 1683'. PLUG 1: Chacra perforations and formation top: Mixed and pumped 12 sx through CR. Stung out, loaded and rolled hole, and placed 3 sx above CR. TOOH and WOC. RIH with wireline gauge ring to check cement top to see if CBL could be run without tagging TOC at this time. Tagged TOC at 1621' by wireline measurement. POOH. RIH with CBL and ran from 1621' to surface. TOC was found at 122'. POOH with wireline. TIH with tagging sub on 2-3/8" workstring. Tagged PLUG 1 at 1622'. Pulled up to 1415'. PLUG 2: Pictured Cliffs, Fruitland, Kirtland, and Ojo Alamo: Mixed and spotted plug of 53 sx from 1415' to 740'. LD 22 joints and pulled up hole.

1-19-2024:
TIH and tagged PLUG 2 at 726'. PLUG 3: Surface plug: RIH and perforated at 115'. POOH. Mixed and pumped 50 sx down casing and out bradenhead. Good cement returns out bradenhead. WOC. Opened 4-1/2" casing and found TOC at surface. Cut off wellhead. Top of cement in 8-5/8" casing was at surface. Installed PxA marker. PLUG 4: Topped off cellar with 28 sx.

All cement used was Class G mixed at 15.8 ppg, yield 1.15 cu ft/sx.
Regulatory representatives Joe Maestas, BLM, and Monica Kuehling, NMOCD, via phone.

GPS Coordinates: Lat: 36.134167N; Long: 107.5389889W

OPERATOR: ENDURING RESOURCES
WELL: Rusty Federal 3
FIELD: Lybrook
API # 30-043-20171
ER WELL #: NM03055.01
WI/NRI:

CNTY: Sandoval FTG: 800' FSL & 800' FEL
STATE: NM Q-Q: SESE
SPUD: 09/04/75 SEC.: 14 36.13416700 N
COMP: 09/29/75 TWS: 22N 107.5389889 W
STATUS: P&A'd RGE: 7W
WBD DATE: 01/30/24 BY: SHL

P&A WELLBORE DIAGRAM AS PLUGGED

KBE: 6781 '
KB: 13 '
GLE: 6768 '
TOC @ 0' 9/19/1987

12-1/4" Hole
8-5/8" 24.0# csg @ 95 '
177 ft3 Class B Cmt w/2%CaCl Cmt to surf

CICR 1683
Top Perf 1762
Bottom Perf 1804

ORIG PBTD @ 2091 '
4-1/2" 11.6# Csg @ 2122 '

TD 3697 '

FORMATION TOPS

Nacimiento @	0
Ojo Alamo @	849
Kirtland @	0
Fruitland @	1059
Pictured Cliffs @	1363
Lewis @	0
Chacra @	1751
Cliff House @	2444
Menefee	2880
Point Lookout @	0
Mancos @	0
Gallup @	0
0	0
0	0
0	0
0	0

CASING RECORD

HOLE (in)	SIZE (in)	WT (lb/ft)	GRADE	TOP (ft)	BTM (ft)	ID (in)
12 1/4	8 5/8	24.00	K55	0	95	8.097
7 7/8	4 1/2	10.50	K55	0	2122	4.052

PERFORATION RECORD

ZONE	TOP (ft)	BTM (ft)	SPF
CHACRA	1762	1804	2

PLUG #4: CELLAR TOP OFF
PLUG VOLUME 28 sx
100% excess required (outside casing)
50 feet of excess required (inside casing)

PLUG #3: NACIMIENTO TOP, SURFACE CASING SHOE, SURFACE
CIRCULATED CEMENT
PERF DEPTH 115'
CEMENT 0.0 ' - 115' 115 'Interval
PLUG VOLUME 10 sx 100% excess required (outside casing)
50 feet of excess required (inside casing)

PLUG #2: PICTURED CLIFFS, FRUITLAND AND OJO ALAMO TOPS
BALANCED PLUG
1415
Ojo Alamo@ 849
CEMENT 740 ' - 1415 ' 675 'Interval (including 50' excess)
PLUG VOLUME 53 sx 50 feet of excess required (inside casing)

PLUG #1: CHACRA AND CHACRA PERFORATIONS
PERF HOLES 52
4-1/2" CR 1683
CEMENT 1683 ' - 1804 ' 171 'Interval (including 50' excess)
PLUG VOLUME 12 sx THRU CICR 100% excess required (outside casing)
PLUG VOLUME 3 sx ABOVE CICR 50 feet of excess required (inside casing)

CEMENT & CASING INFORMATION
- ALL PLUGS ASSUME CLASS G CEMENT

CEMENT DENSITY:	15.80 PPG
CEMENT YIELD:	1.15 CUFT / SX
MIX WATER REQUIRED:	5.00 GAL / SX
1.9" TUBING CAPACITY:	0.0025 BBLS / FT
2-3/8" TUBING CAPACITY:	0.0058 BBLS / FT
4-1/2" CSG CAPACITY:	0.0895 CUFT / FT
4-1/2" CSG x 7-7/8" HOLE CAPACITY:	0.2278 CUFT / FT
4-1/2" CSG x 8-5/8" CSG CAPACITY	0.2471 CUFT / FT

Form 9–331
Dec. 1973

Form Approved.
Budget Bureau No. 42–R1424

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9–331–C for such proposals.)

1. oil well ☐ gas well ☒ other

2. NAME OF OPERATOR
Chace Oil Company, Inc.

3. ADDRESS OF OPERATOR
313 Washington, SE, Albuquerque, NM 87108

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: Unit 'A', 790' FNL & 790' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH: SAME

5. LEASE
NOO-C-14-20-5354

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Rusty Navajo

9. WELL NO.
5

10. FIELD OR WILDCAT NAME
Rusty Chacra

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 22, T22N, R7W

12. COUNTY OR PARISH: Sandoval | 13. STATE: New Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6895' GR

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	☐		☐
FRACTURE TREAT	☐		☐
SHOOT OR ACIDIZE	☐		☐
REPAIR WELL	☐		☐
PULL OR ALTER CASING	☐		☐
MULTIPLE COMPLETE	☐		☐
CHANGE ZONES	☐		☐
ABANDON*	☐		☒
(other)			

(NOTE: Report results of multiple completion or zone change on Form 9–330.)

RECEIVED
APR 22 1985
BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

4/16/85: Pulled tubing out of well.
Tied onto casing. Pumped 140 sks (217 CF) of 13 lb/gal Class B cement.
113 sks. (175 CF) to fill casing.
27 sks. (42 CF) in formation.
Shut well in.
A dry hole marker will be set the week of 4/22/85.
We will notify your office when marker is set and location restored.

RECEIVED
APR 26 1985
OIL CON. DIV.
DIST. 3

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED _____ TITLE Prod. Engineer DATE April 18, 1985

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

APPROVED
APR 24 1985
/s/ J. Stan McKee
FOR AREA MANAGER
FARMINGTON RESOURCE AREA

*See Instructions on Reverse Side

NMOCC

Form 3160-5
(November 1983)
(Formerly 9-331)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.: NOO-C-14-20-5358

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Navajo

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Rusty Navajo

9. WELL NO.: ~~1~~ 1Y

10. FIELD AND POOL, OR WILDCAT: Rusty Chacra

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Section 23, T22N, R7W

12. COUNTY OR PARISH: Sandoval

13. STATE: New Mexico

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—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR: Chace Oil Company, Inc.

3. ADDRESS OF OPERATOR: 313 Washington, SE, Albuquerque, New Mexico 87108

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: Unit 'A' - 790' FNL & 800' FEL

RECEIVED
MAY 22 1985
BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

14. PERMIT NO.:

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 6850' GR

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	XX
REPAIR WELL	☐	CHANGE PLANS	☐	(Other)			
(Other)				(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

5/15/85: Pulled tubing out of well.

5/16/85: Pumped 130 sks (202 CF) of 13.0 lb/gal Class B cement.
107 sks (166 CF) to fill 4 1/2" casing.
23 sks (36 CF) pumped into formation.
Shut well in.

A dry hole marker will be set the week of 5/20/85. The production water pit will be filled, and the location will be restored.

18. I hereby certify that the foregoing is true and correct

SIGNED Frank Chacra TITLE Production Engineer DATE May 20, 1985

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

NMOCC

Title 18 U.S.C. Section 1001, makes 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.

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

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—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR: CHACE OIL COMPANY, INC.

3. ADDRESS OF OPERATOR: 313 Washington S.E., Albuquerque, NM 87108

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: Unit "A" 800' NL & 800' EL

5. LEASE DESIGNATION AND SERIAL NO.: NOO-C-14-20-5358

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NAVAJO

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: RUSTY NAVAJO

9. WELL NO.: #1

10. FIELD AND POOL, OR WILDCAT: RUSTY CHACRA

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 23, T22N, R7W

12. COUNTY OR PARISH: Sandoval

13. STATE: N.M.

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 6850' GR

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☒
REPAIR WELL	☐	CHANGE PLANS	☐	(Other)			
(Other)				(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

2/5/76 Contractor, Gene Burson, buried approx. 900' drill collars and drill pipe in hole. Could only recover 150' drill pipe. Burson went in with 1½" tbg to top of drill pipe. Pumped in 60 sxs 50-50 posmix, pulled up to 70', 20 feet up in surface pipe and pumped in 50 sxs of Halliburton lite. Came out of hole with tubing and put 20' plug in top of surface pipe. Set dry hole marker.

Surface Rehabilitation & Seeding of this well location waived until well No. 1-X is P&A.

RECEIVED
FEB 24 1982
OIL CON. COM.
DIST. 3

18. I hereby certify that the foregoing is true and correct

SIGNED Joyce M. McCary TITLE President DATE 8-26-77

(This space for Federal or State office use)

APPROVED BY TITLE DATE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED
FEB 23 1982
for JAMES F. SIMS
DISTRICT ENGINEER

*See Instructions on Reverse Side

NMOCC

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

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—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR: Chace Oil Company, Inc.

3. ADDRESS OF OPERATOR: 313 Washington S.E., Albuquerque, NM 87108

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: Unit "A" 800' NL & 800' EL

5. LEASE DESIGNATION AND SERIAL NO.: NOO-C-14-20-5358

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NAVAJO

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: RUSTY NAVAJO

9. WELL NO.: 1

10. FIELD AND POOL, OR WILDCAT: RUSTY CHACRA

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 23, T22N-R7W

14. PERMIT NO.:

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 6850' GR

12. COUNTY OR PARISH: Sandoval

13. STATE: N.M.

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☒	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other)			
(Other)				(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Plan to abandon hole due to pipe being stuck in hole according to USGS District Engineer's instruction by placing plug over top of drill pipe at 150' along with plug at bottom of surface pipe and plug in surface. Set dry hole marker.

RECEIVED
SEP 28 1977
OIL CON. COM.
DIST. 3

18. I hereby certify that the foregoing is true and correct

SIGNED Royce V. Cary TITLE President DATE 5-3-76

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED
SEP 26 1977
U.S. GEOLOGICAL SURVEY
DURANGO, COLO.

*See Instructions on Reverse Side

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.: NM-0556258
6. If Indian, Allottee or Tribe Name:
7. If Unit or CA, Agreement Designation:

1. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other
2. Name of Operator: HICKS OIL & GAS, INC.
3. Address and Telephone No.: P.O. Drawer 3307, Farmington, NM 87499 505-327-4902
4. Location of Well (Footage, Sec., T., R., M., or Survey Description): 500' FNL & 1800' FWL Sec. 13-T22N-R7W
8. Well Name and No.: Gulf Federal #1
9. API Well No.: 3004320159005I
10. Field and Pool, or Exploratory Area: Rusty Chacra
11. County or Parish, State: Sandoval County, NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
☐ Notice of Intent	☒ Abandonment	☐ Change of Plans
☒ Subsequent Report	☐ Recompletion	☐ New Construction
☐ Final Abandonment Notice	☐ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut-Off
	☐ Altering Casing	☐ Conversion to Injection
	☐ Other	☐ Dispose Water

(Note. Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

RECEIVED
MAR 25 1993
OIL CON. DIV.
DIST. 3

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The subject well was permanently P & A'd as follows:

3/18/93 Pumped 221 cf cement w/38 1" ball sealers down 4½", 10.5# casing to 2041' with no displacement.

Rusty Chacra Perforations @ 1969'-73', 1982'-84' & 2039'-41' w/2 spf.

Let cement set & top of cement was @ 195', filled casing to surface w/68 cf cement.

Erected dry hole marker.

RECEIVED
BLM
93 MAR 22 PM 1:02
070 FARMINGTON, NM

Approved as to plugging of the well bore.
Liability under bond is retained until
surface restoration is completed.

14. I hereby certify that the foregoing is true and correct
Signed _____ Title President Date 3/19/93
(This space for Federal or State office use)
Approved by _____ Title _____ Date MAR 23 1993
Conditions of approval, if any:
NMOCD

APPROVED
DISTRICT MANAGER

Title 18 U.S.C. Section 1001, makes 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.

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.: NM-0556258
6. If Indian, Allottee or Tribe Name:
7. If Unit or CA, Agreement Designation:
1. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other
8. Well Name and No.: Gulf Federal #1
2. Name of Operator: HICKS OIL & GAS, INC.
9. API Well No.: 3004320159005l
3. Address and Telephone No.: P.O. Drawer 3307, Farmington, NM 87499 505-327-4902
10. Field and Pool, or Exploratory Area: Rusty Chacra
4. Location of Well (Footage, Sec., T., R., M., or Survey Description): 500' FNL & 1800' FWL Sec. 13-T22N-R7W
11. County or Parish, State: Sandoval County, NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
☒ Notice of Intent	☒ Abandonment	☐ Change of Plans
☐ Subsequent Report	☐ Recompletion	☐ New Construction
☐ Final Abandonment Notice	☐ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut-Off
	☐ Altering Casing	☐ Conversion to Injection
	☐ Other _____	☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

We propose to permanently plug and abandon subject well as follows:

- Pump 185 cf cement w/ball sealers down 4½", 10.5# casing to 2041' w/no displacement.
- Rusty Chacra Perforations @ 2039-41', 1982-84', 1969-73' w/2 spf.
- Erect Dry Hole Marker.

RECEIVED
MAR 5 1993
OIL CON. DIV.
DIST. 3

RECEIVED
BLM
93 MAR -1 PM 12:48
070 FARMINGTON, NM

14. I hereby certify that the foregoing is true and correct
Signed Jim Hicks Title President, Hicks Oil & Gas, Inc. Date 2/26/93

(This space for Federal or State office use)

Approved by _____ Title _____ Date APPROVED
Conditions of approval, if any:
NMOCD

Title 18 U.S.C. Section 1001, makes 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.

MAR 02 1993

*See Instruction on Reverse Side

AREA MANAGER

Form 3160-5
(November 1983)
(Formerly 9-331)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.
NOO-C-4-20-5359

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo

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—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER

7. UNIT AGREEMENT NAME

2. NAME OF OPERATOR
Chace Oil Company, Inc.

8. FARM OR LEASE NAME
Rusty Navajo

3. ADDRESS OF OPERATOR
313 Washington, SE, Albuquerque, NM 87108

9. WELL NO.
2

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
Unit 'C', 800' FNL & 1640' FWL

10. FIELD AND POOL, OR WILDCAT
Rusty Chacra

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 23, T22N,R7W

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
6880' GR

12. COUNTY OR PARISH
Sandoval

13. STATE
New Mexico

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	XX
REPAIR WELL	☐	CHANGE PLANS	☐	(Other)			
(Other)				(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

5/15/85: Pulled tubing out of well.

5/16/85: Pumped 130 sks (202 CF) of 13.0 lb/gal Class B cement.
108 sks (167 CF) to fill 4 1/2" casing.
22 sks (34 CF) into formation.
Shut well in.

A dry hole marker will be set the week of 5/20/85. The production water pit will be filled, and the location will be restored.

18. I hereby ~~certify~~ that the foregoing is true and correct

SIGNED Frank Welker TITLE Production Engineer DATE May 20, 1985

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

NMOCC
ACU SWD #001

Title 18 U.S.C. Section 1001, makes 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.

64 of 131

Form 3160-5
(November 1983)
(Formerly 9-331)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

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—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.: NOO-C-14-20-5359

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Navajo

1. OIL WELL ☐ GAS WELL ☒ OTHER

7. UNIT AGREEMENT NAME:

2. NAME OF OPERATOR: Chace Oil Company, Inc.

8. FARM OR LEASE NAME: Rusty Navajo

3. ADDRESS OF OPERATOR: 313 Washington, SE, Albuquerque, NM 87108

9. WELL NO.: 2

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: Unit 'C', 800' FNL & 1640' FWL

RECEIVED
APR 30 1985
BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

10. FIELD AND POOL, OR WILDCAT: Rusty Chacra

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Section 23, T22N,R7W

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 6880' GR

12. COUNTY OR PARISH: Sandoval

13. STATE: New Mexico

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☒	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other)			
(Other)				(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The following plugging procedure is submitted for your consideration. Operations are to begin sometime between May 1, 1985 and May 10, 1985.

Pull tubing, tie onto casing, and pump a total of 130 sks (202 CF) of 13.0 lb/gal Class B cement.

108 sks (167 CF) to fill 4½" casing.
22 sks (34 CF) into formation.

Shut well in until cement sets, 24 hours.
Set a dry hole marker.
Fill production pit, blade, and reseed location.

RECEIVED
MAY 03 1985
OIL CON. DIV.
DIST. 3

18. I hereby certify that the foregoing is true and correct

SIGNED Frank A. Wilbur TITLE Production Engineer DATE April 23, 1985

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE MAY 01 1985

CONDITIONS OF APPROVAL, IF ANY:

APPROVED
/s/ J. Stan Kelly
for AREA MANAGER
FARMINGTON RESOURCE AREA

*See Instructions on Reverse Side

NMOCC

Title 18 U.S.C. Section 1001, makes 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.

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.: NM-0556258
6. If Indian, Allottee or Tribe Name:
7. If Unit or CA, Agreement Designation:

1. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other
2. Name of Operator: HICKS OIL & GAS, INC.
3. Address and Telephone No.: P.O. Drawer 3307, Farmington, NM 87499 505-327-4902
4. Location of Well (Footage, Sec., T., R., M., or Survey Description): 1650' FNL & 1955' FEL Sec. 13-T22N-R7W

8. Well Name and No.: Gulf Federal #3
9. API Well No.: 3004320215005I
10. Field and Pool, or Exploratory Area: Rusty Chacra
11. County or Parish, State: Sandoval County, NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
☐ Notice of Intent	☒ Abandonment	☐ Change of Plans
☒ Subsequent Report	☐ Recompletion	☐ New Construction
☐ Final Abandonment Notice	☐ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut-Off
	☐ Altering Casing	☐ Conversion to Injection
	☐ Other _____	☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

RECEIVED
MAR 25 1993
OIL CON. DIV.
DIST. 3

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The subject well was permanently P & A'd as follows:

3/18/93 - Pumped 195 cf cement w/64 1" ball sealers down 4½", 10.5# casing to 1980' w/no displacement.

- Rusty Chacra Perforations @ 1943'-49', 1952'-54', 1955'-58' & 1963'-80' w/ 1 spf.

- Let cement set & cement was at surface.

- Erected Dry Hole Marker.

RECEIVED
BLM
93 MAR 22 PM 1:02
070 FARMINGTON, NM

14. I hereby certify that the foregoing is true and correct

Signed Tim Hicks Title President Date 3/19/93

(This space for Federal or State office use)

Approved by _____ Title _____ Date APPROVED

Conditions of approval, if any:

NMOCD

MAR 23 1993

DISTRICT MANAGER

Title 18 U.S.C. Section 1001, makes 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.

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.: NM-0556258
6. If Indian, Allottee or Tribe Name:
7. If Unit or CA, Agreement Designation:

1. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other
2. Name of Operator: HICKS OIL & GAS, INC.
3. Address and Telephone No.: P.O. Drawer 3307, Farmington, NM 87499 505-327-4902
4. Location of Well (Footage, Sec., T., R., M., or Survey Description): 1650' FNL & 1955' FEL Sec. 13-T22N-R7W

8. Well Name and No.: Gulf Federal #3
9. API Well No.: 3004320215005S1
10. Field and Pool, or Exploratory Area: Rusty Chacra
11. County or Parish, State: Sandoval County, NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
☒ Notice of Intent	☒ Abandonment	☐ Change of Plans
☐ Subsequent Report	☐ Recompletion	☐ New Construction
☐ Final Abandonment Notice	☐ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut-Off
	☐ Altering Casing	☐ Conversion to Injection
	☐ Other	☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

We propose to permanently plug and abandon subject well as follows:

- Pump 180 cf cement w/ball sealers down 4½", 10.5# casing to 1980' w/no displacement.
- Rusty Chacra perforations @ 1943-49', 1952-54', 1955-58', 1963-80' w/1 spf.
- Erect Dry Hole Marker.

RECEIVED
93 MAR -1 PM 12:48
070 FARMINGTON, NM
RECEIVED
BLM

RECEIVED
MAR 5 1993
OIL CON. DIV.
DIST. 3

14. I hereby certify that the foregoing is true and correct
Signed [signature] Title President, Hicks Oil & Gas, Inc Date 2/26/93

(This space for Federal or State office use)
Approved by _____ Title _____ Date APPROVED
Conditions of approval, if any:
NMOCD
MAR 02 1993

Title 18 U.S.C. Section 1001, makes 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.

*See Instruction on Reverse Side

Signed [illegible] MASON
AREA MANAGER

Form 9-331 a
(Feb. 1961)

APPROVED
23 MAR 29 1966
RICHARD B. KRAHL
ACTING DISTRICT ENGINEER

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R358.4.
Approval expires 12-31-60.

Land Office SANTA FE
Lease No. SF 080097
Unit I

RECEIVED
MAR 12 1964
U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	X
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

March 10, 1964

Well No. Sandoval 1-23 is located 1980 ft. from {N/S} line and 660 ft. from {E/W} line of sec. 23

NE¼SE¼ 23 (¼ Sec. and Sec. No.) | 22N (Twp.) | 7W (Range) | NMPM (Meridian)

Undesignated Gallup (Field) | Sandoval (County or Subdivision) | New Mexico (State or Territory)

The elevation of the derrick floor above sea level is 6312 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

TD 5930. PBTD 5795.
Spotted 17 sx cement plug in 5½" OD casing from 4653 to 4789 feet to plug off Gallup. Salvaged 4015' 5½" casing and plugged casing stub from 4065 feet to 3965 feet. Plugged Lewis and Chacra formations with cement from 1700 to 1550 feet; plugged Pictured Cliffs with cement from 1300 to 1150 feet. Plugged top of 10-3/4" surface pipe with 10 sx cement and placed dry hole marker.

RECEIVED
AUG 23 1971
OIL CON. COM.
DIST. 3

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company NORTHWEST PRODUCTION CORPORATION

Address BOX 1798

EL PASO, TEXAS 79949

By

Title J. M. Newman, Mgr., Prod. Oper.

U.S. GOVERNMENT PRINTING OFFICE: 1956—O-393560

Form 9-331a
(Feb. 1951)

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R358.4.
Approval expires 12-31-60.

Land Office SANTA FE
Lease No. SF 080097
Unit I

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL	X		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

February 18, 19 64

Sandoval
Well No. 1-23 is located 1980 ft. from {N/S} line and 660 ft. from {E/W} line of sec. 23

NE¼SE¼ 23 (¼ Sec. and Sec. No.) | 22N (Twp.) | 7W (Range) | NMPM (Meridian)

Undesignated Gallup (Field) | Sandoval (County or Subdivision) | New Mexico (State or Territory)

RECEIVED
FEB 21 1964
OIL CC
DIST.

The elevation of the derrick floor above sea level is 6812 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

TD 5980. PB TD 5795. Propose to spot 17 sx cement plug in 5½" OD casing from 4653 to 4789 to plug off Gallup. Salvage as much 5½" casing as possible, plug 5½" casing stub from 50' below top of stub to 50' above top of stub. Plug Lewis and Chacra formation with cement from 1700 to 1550; plug Pictured Cliffs with cement from 1300 to 1150. Plug top of 10-3/4" surface pipe with cement and place dry hole marker.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company NORTHWEST PRODUCTION CORPORATION

Address BOX 1796

EL PASO, TEXAS 79949

By

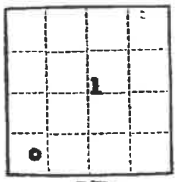
Title J. M. Newman, Mgr., Prod. Oper.

U.S. GOVERNMENT PRINTING OFFICE : 1956—O-393560

Form 9-331a
(Feb. 1951)

Budget Bureau No. 42-R358.4.
Approval expires 12-31-60.

Land Office Santa Fe
Lease No. SF 078363
Unit



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL	XX		

RECEIVED
OCT 29 1957
U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

September 22, 1957

Pettigrew
Well No. 1 is located 660 ft. from {N/S} line and 660 ft. from {E/W} line of sec. 1

SW SW, Section 1 (¼ Sec. and Sec. No.) T22N (Twp.) R7W (Range) (Meridian)

(Field) Sandoval (County or Subdivision) New Mexico (State or Territory)

The elevation of the derrick floor above sea level is 7035 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Total depth of well: 5500'

We intend to plug above well as follows:

5000' - 5300'	65 sacks of cement
3900' - 4100'	60 sacks of cement
3500' - 3700'	55 sacks of cement
2300' - 2400'	30 sacks of cement
1600' - 1750'	45 sacks of cement
1000' - 1100'	25 sacks of cement
Surface casing (bottom and top)	25 sacks of cement

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OCT 30 1957
OIL CON. COM.
DIST. 3

Location will be cleaned up and regulation marker set.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company E. B. GERMANY by THE NEW DRILLING CO., Contractor

Address 1018 Patterson Bldg.

Denver, Colorado

By Jerry Ryan

Title Secretary-Treasurer
The New Drilling Co.

16-0 9 18 507

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.: Noo-C-14-20-5569

6. If Indian, Allottee or Tribe Name: Navajo Allotted

7. If Unit or CA, Agreement Designation:

1. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.: Gulf Navajo #2

2. Name of Operator: HICKS OIL & GAS, INC.

9. API Well No.: 30043202760081

3. Address and Telephone No.: P.O. Drawer 3307, Farmington, NM 87499 505-327-4902

10. Field and Pool, or Exploratory Area: Rusty Chacra

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1150' FSL & 890' FWL
Sec. 12-T22N-R7W

11. County or Parish, State: Sandoval County, N,

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
☐ Notice of Intent	☒ Abandonment	☐ Change of Plans
☒ Subsequent Report	☐ Recompletion	☐ New Construction
☐ Final Abandonment Notice	☐ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut-Off
	☐ Altering Casing	☐ Conversion to Injection
	☐ Other	☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

RECEIVED
MAR 25 1993
OIL CON. DIV.
DIST. 3

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The subject well was permanently P & A'd as follows:

3/18/93 - Pumped 182 cf cement w/84 1" ball sealers down 4½", 9.5# casing to 1991' w/no displacement.

- Rusty Chacra Perforations @ 1967'-77' & 1981'-91' w/2 spf.

- Let cement set & top of cement was @ 205', filled casing to surface w/19 cf cement.

- Erected Dry Hole Marker.

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93 MAR 22 PM 1:03
070 FARMINGTON, NM

Approved as to plugging of the well bore.
Liability under bond is retained until
surface restoration is completed.

I hereby certify that the foregoing is true and correct

Signed Jim Hicks Title President Date 3/19/93

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

NMOCD

APPROVED
MAR 23 1993
DISTRICT MANAGER

18 U.S.C. Section 1001, makes 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.

Enduring Resources, LLC
Application For Authorization to Inject
ACU SWD #001

ITEM VII –PROPOSED OPERATION

Enduring is seeking Administrative Approval to drill, construct and operate the subject well as a **closed system** saltwater disposal well known as the ACU SWD #001 for the purpose of injection of UIC Class II fluid or oil field waste as defined in 19.15.2.7(E)(6) NMAC.
The source of the injectate will be from nearby oil and gas wells operated by Enduring.
The proposed ACU SWD #1 well is located 537 feet from the south line (FSL) and 2281 from the east line (FEL) of Section 11 of Township 22 North, Range 7 West.
The ACU SWD #1 will be drilled vertically to an anticipated total depth of 7,666 feet and will be constructed utilizing a two string, telescoping casing design.
The 9.625 inch surface casing string will be advanced to approximately 500 feet.
The 7 inch production casing string will be set and cemented from surface to total depth.
The primary injection target is anticipated to be between 7,086 to 7,316 feet within the Entrada Sandstone formation.
Injection will occur through internally coated 4.5 inch (OD) or smaller diameter tubing.
The planned maximum daily injection rate is 12,000 bwpd.
The anticipated maximum surface injection pressure is 1,492 psig.
A suitable drilling rig will be selected for drilling operations that will include an appropriate blowout preventer (BOP) and choke-manifold system for any unforeseen pressure encountered. Visual inspection of cement returns to the surface will be noted in surface, and production casing operations. Enduring plans to run a CBL for the 7 inch casing to demonstrate placement of cement and cement bond with the tie in surface casing string.
A temporary string of removable packer and tubing will be run to conduct an injection Step Rate Test to determine the final injection pressure and volume to ensure the formation fracture pressure is not reached during nominal injection operations. Once the test is complete, the final injection tubing string and injection packer will be set within 50 feet of the top perforated interval to provide an effective seal preventing upward flowback of injectate out of the target reservoir.
A bottom hole pressure measurement will be obtained prior to commencing disposal.
Attachments in support of this proposed ACU SWD #1 project include; Well Location Plat, Drilling Plan, Anti-collision Report, proposed Wellbore Diagram and proposed Facility Diagram.

ENDURING RESOURCES IV, LLC
6300 S SYRACUSE WAY, SUITE 525
CENTENNIAL, COLORADO 80211

DRILLING PLAN: ***Drill, complete, and equip single vertical SWD in the Entrada formation***

WELL INFORMATION:

Name: **Alamos Canyon Unit SWD 001**
API Number: Not Yet Assigned
AFE Number: *DV03326*
ER Well Number: *Not Yet Assigned*
State: New Mexico
County: Sandoval
Surface Elevation: 6,962 ft ASL (GL) 6,986 ft ASL (KB)
Surface Location: 11-22-7 Sec-Twn-Rng 537 ft FSL 2,281 ft FEL
36.147954 ° N latitude 107.543523 ° W longitude (NAD 83)
BH Location: 11-22-7 Sec-Twn-Rng 537 ft FSL 2,281 ft FEL
36.147954 ° N latitude 107.543523 ° W longitude (NAD 83)
Driving Directions: **FROM THE INTERSECTION OF US HWY 550 & US HWY 64 IN BLOOMFIELD, NM:**
South on US Hwy 550 for 48.9 miles to MM 102.5; Right (South) on Atkins Rd for 4.3 miles to 4-way; Straight (South) remaining on Atkins Rd for 1.6 miles to 4-way; Straight (South) remaining on Atkins Rd for 0.8 miles to fork; Left (NorthEast) on lease road for 0.8 miles to T, Right (South) on lease road for 0.3 miles to Alamos Canyon Unit 222 Pad. There are 2 existing wells on this location; N Escavada Unit 311H and 312H. There are three proposed wells on this location, From East (location entrance) to West: Alamos Canyon Unit SWD 001, Alamos Canyon 224H, and Alamos Canyon 222H.

GEOLOGIC AND RESERVOIR INFORMATION:

Prognosis:

Formation Tops	TVD (ft ASL)	TVD (ft KB)		O / G / W	Pressure
Ojo Alamo	6,045	941		W	normal
Kirtland	5,980	1,006		W	normal
Fruitland	5,785	1,201		G, W	sub
Pictured Cliffs	5,510	1,476		G, W	sub
Lewis	5,385	1,601		G, W	normal
Chacra	5,110	1,876		G, W	normal
Cliff House	4,040	2,946		G, W	sub
Menefee	3,990	2,996		G, W	normal
Point Lookout	3,130	3,856		G, W	normal
Mancos	2,950	4,036		O,G, W	normal
MNCS_G	1,995	4,991		O,G, W	normal
Basal Niobrara Unconfomity	1,850	5,136		O,G, W	normal
Juana Lopez	1,540	5,446		O,G, W	normal
Greenhorn Limestone	1,160	5,826		O,G, W	normal
Graneros	1,120	5,866		O,G, W	normal
Dakota	1,075	5,911		O,G, W	normal
Burro Canyon Fm	875	6,111		O,G, W	normal
Morrison	775	6,211		O,G, W	normal
Bluff Ss Member	480	6,506		O,G, W	normal

Salt Wash Basin Member	180	6,806		O,G, W	normal
Smallville	**-5**	**6,991**		O,G, W	normal
Todilto	**-80**	**7,066**		G, W	normal
Entrada	**-100**	**7,086**		W	normal
Chinle	**-330**	**7,316**		W	normal
Rat Hole	**350**	**7,666**		W	normal
TD	**7,666**	**7,666**		W	normal

Surface: Nacimiento

Oil & Gas Zones: Several gas bearing zones will be encountered; target formation is the Entrada

Pressure: Normal (0.43 psi/ft) or sub-normal pressure gradients anticipated in all formations

Max. pressure gradient: 0.43 psi/ft Evacuated hole gradient: 0.22 psi/ft

Maximum anticipated BH pressure, assuming maximum pressure gradient: 3,300 psi

Maximum anticipated surface pressure, assuming partially evacuated hole: 1,620 psi

Temperature: **Maximum anticipated BHT is 180° F or less**

H_2S INFORMATION:

H_2S Zones: Encountering hydrogen-sulfide bearing zones is **NOT** anticipated.

Safety: Sensors and alarms will be placed in the substructure, on the rig floor, above the pits, and at the shakers.

LOGGING, CORING, AND TESTING:

Mud Logs: None planned; gas detection from drillout of 9-5/8" casing to TD.

MWD / LWD: Gamma Ray from drillout of 9-5/8" casing to TD

Open Hole Logs: None planned

Testing: None planned

Coring: None planned

Cased Hole Logs: CBL on 7" casing from deepest free-fall depth to surface

DRILLING RIG INFORMATION:

Contractor: Ensign

Rig No.: 153

Draw Works: Pacific Rim 1500AC (1,500 hp)

Mast: Process MFG Corp Swing Up Triple (136 ft, 750,000 lbs)

Top Drive: Tesco 400-EXI-800 (400 ton)

Prime Movers: 3 - CAT 3512C (1,350 hp)

Pumps: 2 - Gardner Denver PZ-11 (7,500 psi)

BOPE 1: T3 Annular & Shaffer double gate ram (11", 5,000 psi)

BOPE 2: T3 annular(11", 5,000 psi)

Choke 3", 5,000 psi

KB-GL (ft): 23.5

Note: Actual drilling rig may vary depending on availability at time the well is scheduled to be drilled.

BOPE REQUIREMENTS:

See attached diagram for details regarding BOPE specifications and configuration.

1) Rig will be equipped with upper and lower kelly cocks with handles available.

2) Inside BOP and TIW valves will be available to use on all sizes and threads of drill pipe used while drilling the well.

3) BOP accumulator will have enough capacity to open the HCR valve, close all rams and annular preventer, and retain minimum of 200 psi above precharge on the closing manifold without the use of closing pumps. The fluid reservoir capacity shall be at least double the usable fluid volume of the accumulator system capacity, and the fluid level shall be maintained at manufacturer's recommendation. There will be two additional sources of power for the closing pumps (electric and air). Sufficient nitrogen bottles will be available and will be recharged when pressure falls below manufacturer's recommended minimum.

4) BOP testing shall be conducted (a) when initially installed, (b) whenever any seal is broken or repaired, (c) if the time since the previous test exceeds 30 days. Tests will be conducted using a test plug. BOP ram preventers will be tested to 3,000 psig for 10 minutes, and the annular preventer will be tested to 1,500 psi for 10 minutes. Ram and annular preventers will be tested to 250 psi for 5 minutes. Additionally, BOP and casing strings will be tested to .22 psi/ft or 1,500 psi, whichever is greater but not exceeding 70% of yield strength of the casing, for 30 minutes, prior to drilling out casing. Rams and hydraulically operated remote choke line valve will be function tested daily at a minimum.

5) Remote valve for BOP rams, HCR, and choke shall be placed in a location that is readily available to the driller. The remote BOP valve shall be capable of closing and opening the rams.

6) Manual locking devices (hand wheels) shall be intalled on rams. A valve will be installed on the annular preventer's closing line as close as possible to the preventer to act as a locking device.The valve will be maintained in the open position and shall only be closed when the there is no power to the accumulator.

FLUIDS AND SOLIDS CONTROL PROGRAM:

Fluid Measurement:

Pumps shall be equipped with stroke counters with displays in the dog-house. Slow pump speed shall be recorded daily and after mudding up, at a minimum, on the drilling report. A Pit Volume Totalizer will be installed and the readout will be displayed in the dog-house. Gas-detecting equipment will be installed at the shakers, and readouts will be available in the dog-house and the in the geologist's work-station (if geologist or mud-logger is on-site).

Closed-Loop System: A fully, closed-loop system will be utilized. The system will consist of above-ground piping and above-ground storage tanks and bins. The system will not entail any earthen pits, below-grade storage, or drying pads. All equipment will be disassembled and removed from the site when drilling operations cease. The system will be capable of storing all fluids and generated cuttings and of preventing uncontrolled releases of the same. The system will be operated in an efficient manner to allow the recycling and reuse of as much fluid as possible and to minimimize the amount of fluids and solids that require disposal.

Fluid Disposal : Fluids that cannot be reused, recycled, or returned to the supplier will be hauled to and disposed of at an approved disposal site (Industrial Ecosystem, Inc. or Envirotech, Inc.).

Solids Disposal : Drilling solids will be stored (until haul-off) on-site in separate containers with no other waste, debris, or garbage products. Waste solids will be hauled to and disposed of at an approved disposal site (Industrial Ecosystem, Inc. or Envirotech, Inc.).

Fluid Program: See "Detailed Drilling Plan" section and attached Newpark mud program for additional details.

DETAILED DRILLING PLAN:

Surface will set by MOTE

SURFACE: ***Drill vertically to casing setting depth (plus necessary rathole), run casing, cement casing to surface.***

0 ft (MD)	to	500 ft (MD)	Hole Section Length:	500 ft
0 ft (TVD)	to	500 ft (TVD)	Casing Required:	500 ft

Note: Surface hole may be drilled, cased, and cemented with a smaller rig in advance of the drilling rig.

Fluid:

Type	MW (ppg)	FL (mL/30 min)	PV (cp)	YP (lb/100 sqft)	pH	Comments
Fresh Water	8.4	N/C	2 - 8	2 - 12	9.0	Spud mud

Hole Size: 12-1/4"

Bit / Motor: Mill Tooth or PDC, no motor

MWD / Survey: No MWD, deviation survey

Logging: None

Procedure: Drill to TD. After reaching TD, run gyro survey in 100' stations from TD to surface. Wiper trip. Condition hole and fluid for casing running. TOH. Run casing. Pump cement as detailed below. Monitor returns during cement job and note cement volume to surface. Install cellar and wellhead.

Casing Specs:		Wt (lb/ft)	Grade	Conn.	Collapse (psi)	Burst (psi)	Tens. Body (lbs)	Tens. Conn (lbs)
Specs	9.625	36.0	K-55	STC	2,020	3,520	564,000	423,000
Loading					218	1,638	115,697	115,697
Min. S.F.					**9.25**	**2.15**	**4.87**	**3.66**

Assumptions: Collapse: fully evacuated casing with 8.4 ppg equivalent external pressure gradient
Burst: maximum anticipated surface pressure with 9.5 ppg fluid inside casing while drilling intermediate hole and 8.4 ppg equivalent external pressure gradient
Tension: buoyed weight in 8.4 ppg fluid with 100,000 lbs over-pull

MU Torque (ft lbs): *Minumum: 3,400 Optimum: 4,530 Maximum: 5,660*

Casing Summary: Float shoe, 1 jt casing, float collar, casing to surface

Centralizers: 2 centralizers per jt stop-banded 10' from each collar on bottom 3 jts, 1 centralizer per 2 jts to surface

Cement:	Type	Weight (ppg)	Yield (cuft/sk)	Water (gal/sk)	Hole Cap. (cuft/ft)	% Excess	Planned TOC (ft MD)	Total Cmt (sx)	Total Cmt (cu ft)
Redi-Mix	TYPE I-II	14.5	1.61	7.41	0.3132	50%	0	158	254

Calculated cement volumes assume gauge hole and the excess noted in table Csg ID 8.921
Mesa Ready Mix or first available Shoe Track L 44

Notify NMOCD & BLM if cement is not circulated to surface. Cement must achieve 500 psi compressive strength before drilling out.

PRODUCTION: ***Drill as per directional plan to casing setting depth, run casing, cement casing to surface.***

500 ft (MD)	**to**	**7,666 ft (MD)**	**Hole Section Length:**	**7,166 ft**
500 ft (TVD)	**to**	**7,666 ft (TVD)**	**Casing Required:**	**7,666 ft**

Estimated BHST = 180° F

Fluid:	Type	MW (ppg)	FL (mL/30 min)	PV (cp)	YP (lb/100 sqft)	pH	Comments
	LSND (KCl)	8.8 - 9.2	15	8 - 14	6 - 12	10.8 - 11.2	No OBM

Hole Size (inches): 8.75

Bit / Motor: 8-3/4" PDC bit w/mud motor

MWD / Survey: MWD Survey with inclination and azimuth survey (every 100' at a minimum), GR optional

Logging: None

Pressure Test: NU BOPE and test (as noted above); pressure test 9-5/8" casing to **1,686** psi for 30 minutes.

Casing Specs:		Wt (lb/ft)	Grade	Conn.	Collapse (psi)	Burst (psi)	Tens. Body (lbs)	Tens. Conn (lbs)
Specs	7	26.0	L80	LTC	5,410	7,240	604,000	519,000
Loading					3,348	2,058	273,802	273,802
Min. S.F.					**1.62**	**3.52**	**2.21**	**1.90**

Assumptions: Collapse: fully evacuated casing with 8.4 ppg equivalent external pressure gradient
Burst: maximum anticipated surface pressure with 9.5 ppg fluid inside casing while drilling production hole and 8.4 ppg equivalent external pressure gradient
Tension: buoyed weight in 8.4 ppg fluid with 100,000 lbs over-pull

MU Torque (ft lbs): *Minumum: 3,830 Optimum: 5,110 Maximum: 6,390*

Centralizers: 1 per joint in non-vertical hole; 1 per 2-joints in vertical hole

Cement:	Type	Weight (ppg)	Yield (cuft/sk)	Water (gal/sk)	% Excess	Planned TOC (ft MD)	Total Cmt (sx)	Total Cmt (cu ft)
Spacer	Poz spacer	10		35.3		0	40 bbls	
Lead	IntegraCem XTL	11.8	1.660	9.3	160%	0	1,281	2,126
Tail	Class G	13.0	1.630	8.2	50%	5,726	274	447
Annular Capacity	0.16681	cuft/ft	*7" casing x 9-5/8" casing annulus*				Shoe Track L	44
	0.1503	cuft/ft	*7" casing x 8-3/4" hole annulus*				Casing ID	6.276
	0.2148	cuft/ft	*7" casing casing volume*					

Calculated cement volumes assume gauge hole and the excess noted in table

NOTE: Plan on setting slips on this to minimize the possibl plugging issues

Spacer	*Pozzolan Fly ash 100.8 lbs/bbl*	ASA-301 viscosifier 4.0 lb/bbl	SAPP Surfactant 10 lb/bbl	Xcem-1205 LCM 10 lb/bbl	Xcem-311 Defoamer .8 lb/bbl				
Lead/Tail	*ASTM Type IL 40%*	IntegraCem XTL AEXT-1012 Entender 60%	IntegraGuard GW-86 Viscosity 0.2% BWOB	KCl Salt 3.0% BWOW	R7C Retarder 0.170% BWOB	*Xcem-1205 LCM 2 lb/sx*	Xcem 532 Fluid Loss 0.3% BWOB	Xcem-311 Defoamer BWOB	0.3%
Tail	*Type G 50%*	Pozzolan Fly Ash Extender 50%	Bentonite Viscosifier 4% BWOB	FL24 Fluid Loss .4% BWOB	IntegraGuard GW86 Viscosif. 0.05% BWOB	R3 Retarder 0.15% BWOB	Xcem-1205 Loss Circulation 2 lb/sx	Xcem-311 Defoamer BWOB	0.3%
Displacement	*Produced water plus biocide*								

American Cementing Liner & Production Blend

Notify NMOCD & BLM if cement is not circulated to surface. Cement must achieve 500 psi compressive strength before drilling out.

FINISH WELL: ***ND BOP, cap well, RDMO.***

ESTIMATED START DATES:

Drilling: 8/6/2026

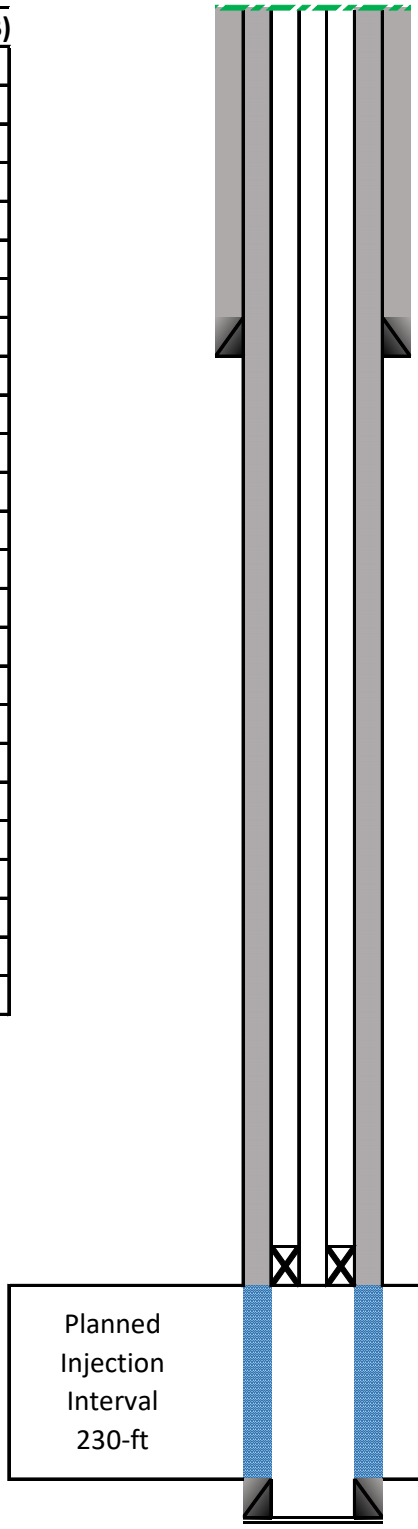
Prepared by: **Greg Olson 1/24/2025**

Updated: **Greg Olson 10/6/2025**

Greg Olson 5/26/2026

ENDURING RESOURCES, LLC
ACU SWD #001
PROPOSED WELLBORE DIAGRAM

Formation Tops	TVD (ft KB)
Ojo Alamo	941
Kirtland	1,006
Fruitland	1,201
Pictured Cliffs	1,476
Lewis	1,601
Chacra	1,876
Cliff House	2,946
Menefee	2,996
Point Lookout	3,856
Mancos	4,036
MNCS_G	4,991
Basal Niobrara	5,136
Juana Lopez	5,446
Greenhorn	5,826
Graneros	5,866
Dakota	5,911
Burro Canyon	6,111
Morrison	6,211
Bluff Ss	6,506
Salt Wash Basin	6,806
Smallville	6,991
Todilto	7,066
Entrada	7,086
Chinle	7,316
TARGET TVD	7,666



12.25" Hole F/0' - T/500'

9.625" 36# K55 STC Surface Casing to 500'

158 sacks - Type I-II Cement
14.5 ppg 1.61 yield 7.41 gps
Calculation Method: Circulates to Surface

8.75" Hole F/500' - T/7666'

7" 26# L80 LTC Production Casing to 7666'

Lead: 1281 sacks - Type IntgraCemXTL Cement
11.8 ppg 1.66 yield 9.3 gps

Tail: 274 sacks - Type G Cement
13.0 ppg 1.63 yield 8.2 gps
Calculation Method: Circulates to Surface

Top of cement will be verified by CBL

≤4.5" 12# L80 EUE internally coated injection tubing set on a AS1-X or equivalent injection packer at 6986'

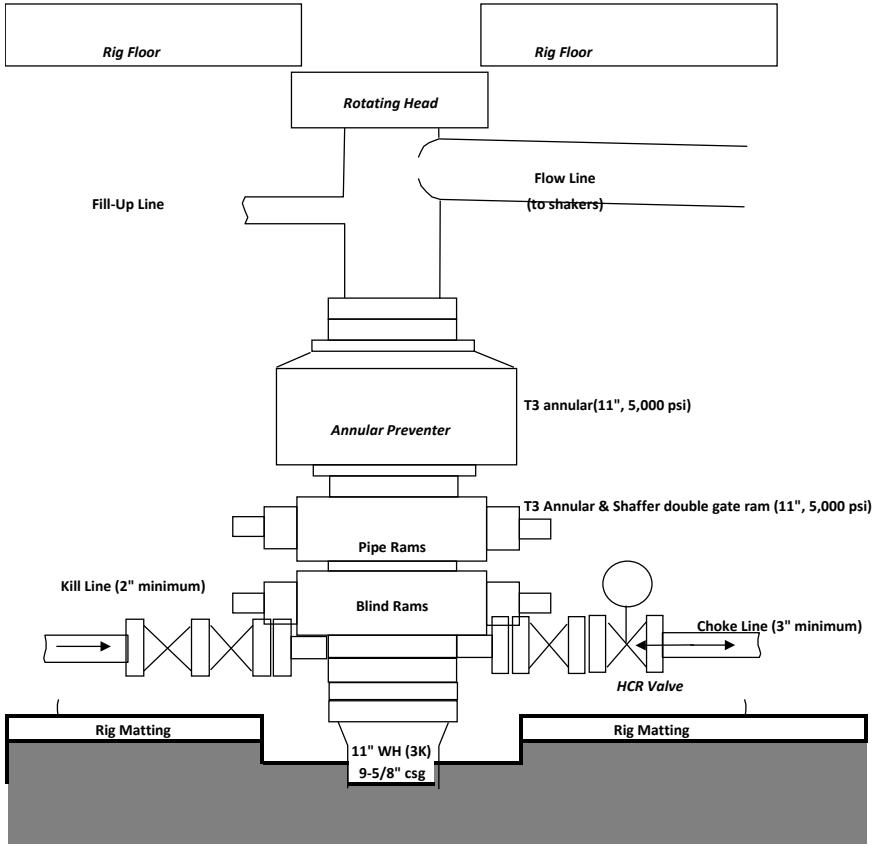
Primary Injection Target: Entrada Sandstone
Injection will occur through perforations F/7086' - T/7316'.

Target TVD: 7666' *(includes 350' of rat hole)*

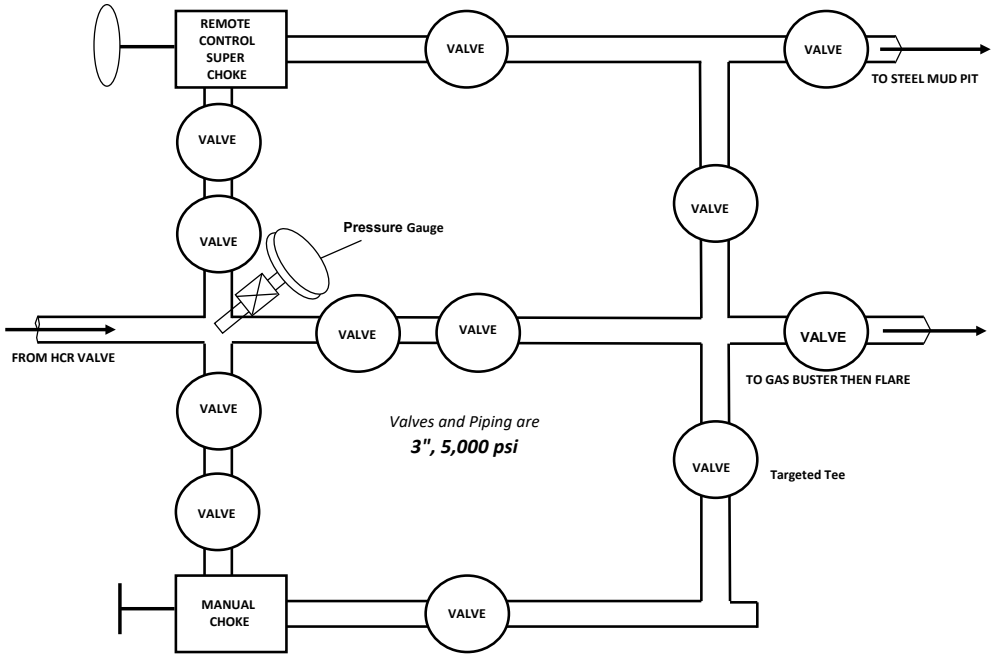
BOPE & CHOKE MANIFOLD DIAGRAMS

NOTE: EXACT BOPE AND CHOKE CONFIRGURATION AND COMPONENTS MAY DIFFER FROM WHAT IS DEPICTED IN THE DIGRAMS BELOW DEPENDING ON THE RIG AND ITS ASSOCIATED EQUIPMENT. RAM PREVENTERS, ANNULAR PREVENTERS, AND CHOKE MANIFOLD AND COMPONENTS WILL BE RATED TO 3,000 PSI MINIMUM.

BOPE



CHOKE MANIFOLD

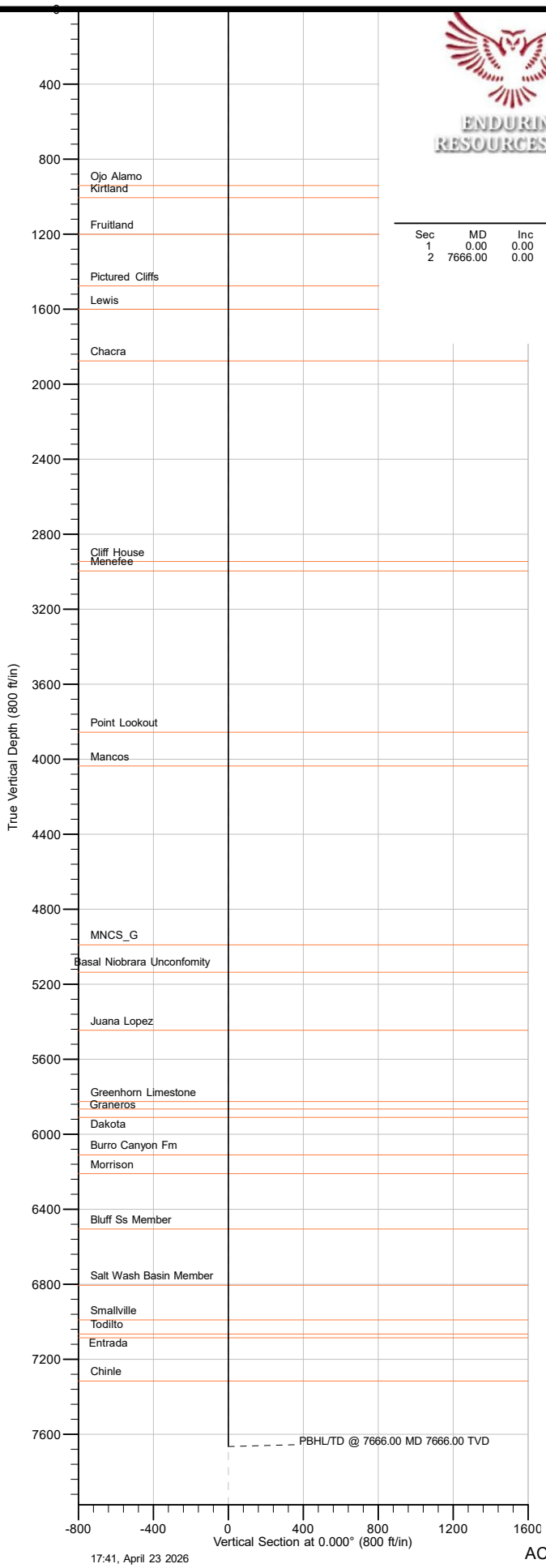


ENDURING RESOURCES, LLC

Well: ACU SWD 001
Site: Sec 11 T22N R07W Alamos Canyon (222,224 & 226)
Project: Sandoval County, New Mexico NAD83 NM C
Design: rev0
Rig:

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DIeg	TFace	VSect	Annotation
1	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.000	0.00	
2	7666.00	0.00	0.000	7666.00	0.00	0.00	0.00	0.000	0.00	PBHL/TD @ 7666.00 MD 7666.00 TVD



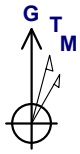
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Central Zone

System Datum: Mean Sea Level
Depth Reference: RKB=6962+23.5 @ 6985.50ft

Surf location:

Northing	Easting	Latittude	Longitude
1875663.65	1258521.25	36.14795400	-107.54352300

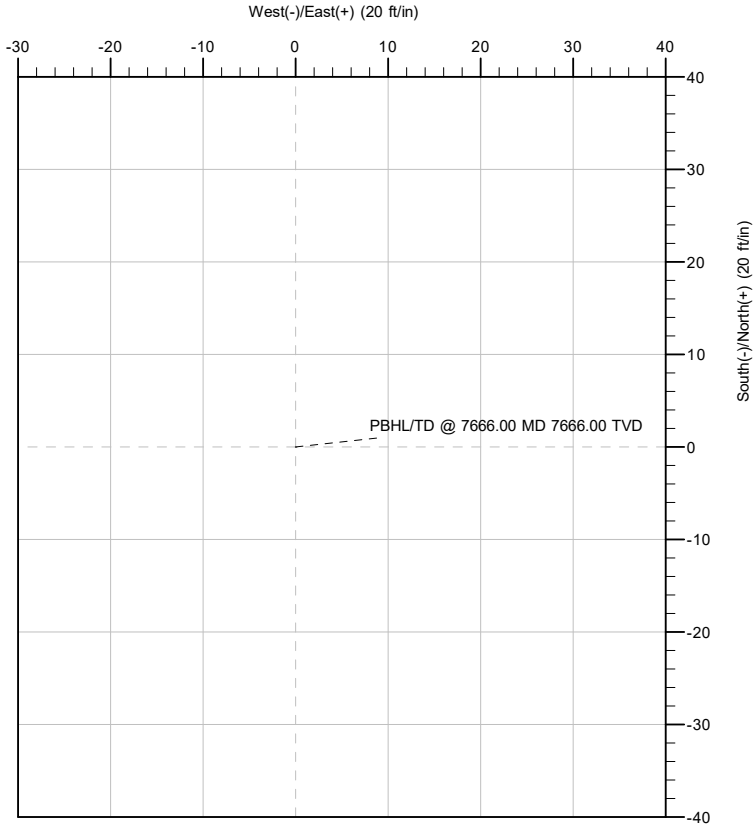
Total Corr (M->G): To convert a Magnetic Direction to a Grid Direction, Add 9.098°



Azimuths to Grid North
True North: 0.76°
Magnetic North: 9.10°

Magnetic Field
Strength: 48718.1nT
Dip Angle: 62.54°
Date: 4/23/2026
Model: IGRF2025 (4)

MARKSMAN DIRECTIONAL



17:41, April 23 2026

ACU SWD #001

80 of 131

ENDURING RESOURCES, LLC

Well: ACU SWD 001
Site: Sec 11 T22N R07W Alamos Canyon (222,224 & 226)
Project: Sandoval County, New Mexico NAD83 NM C
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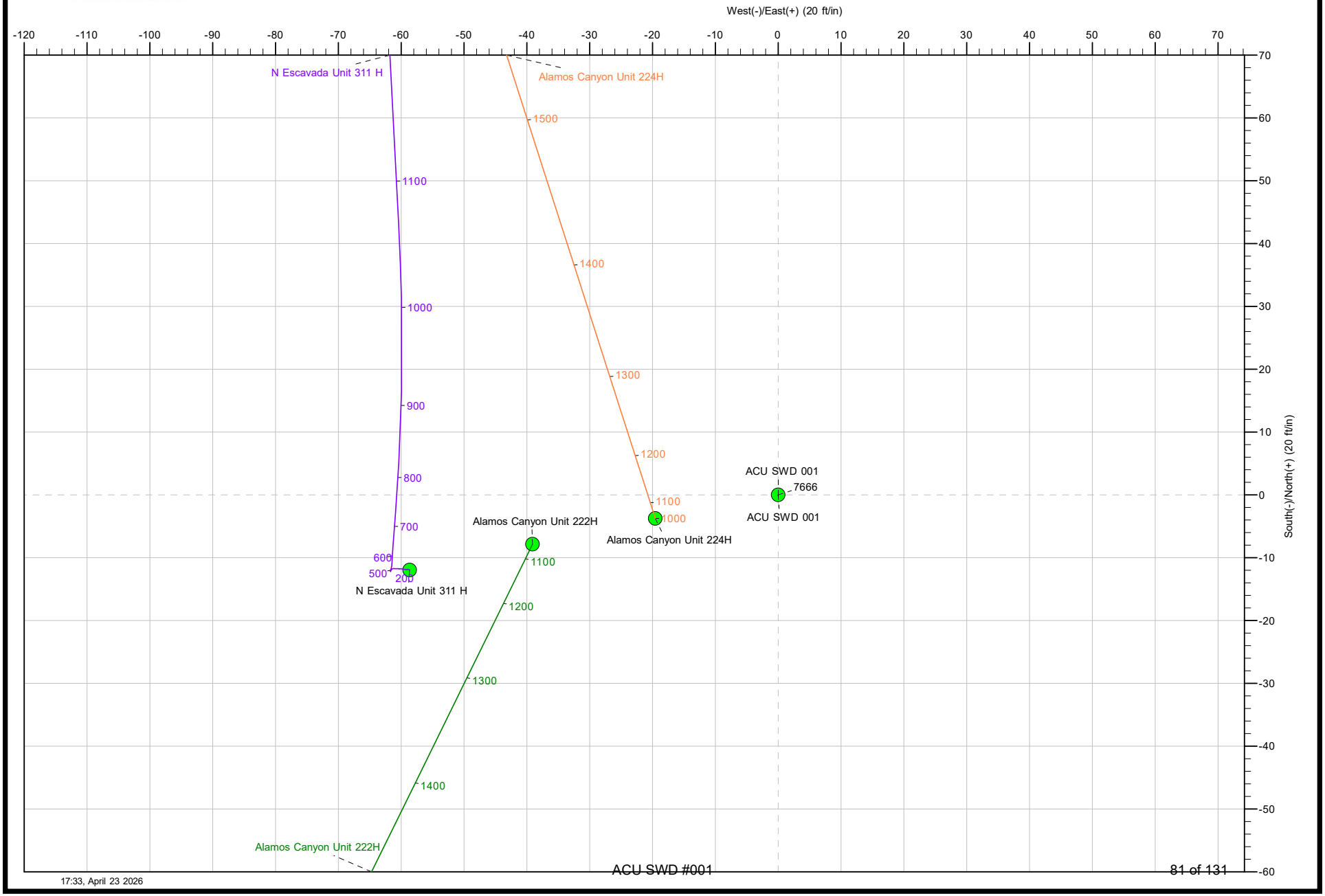
Rig:

MARKSMAN DIRECTIONAL



ENDURING RESOURCES, LLC

Planning Report

Database:	DT-Oct0825v17	**Local Co-ordinate Reference:**	Well ACU SWD 001
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=6962+23.5 @ 6985.50ft
Project:	Sandoval County, New Mexico NAD83 NM C	**MD Reference:**	RKB=6962+23.5 @ 6985.50ft
Site:	Sec 11 T22N R07W Alamos Canyon (222,224 & 226)	**North Reference:**	Grid
Well:	ACU SWD 001	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Orig hole		
Design:	rev0		

Project Sandoval County, New Mexico NAD83 NM C

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Central Zone		

Site Sec 11 T22N R07W Alamos Canyon (222,224 & 226)

Site Position:		**Northing:**	1,875,655.80 usft	**Latitude:**	36.14793100
From:	Lat/Long	**Easting:**	1,258,482.16 usft	**Longitude:**	-107.54365500
Position Uncertainty:	0.00 ft	**Slot Radius:**	13-3/16 "		

Well ACU SWD 001, Surf loc: 537 FSL 2281 FEL Sec 11 T22N R07W

Well Position	**+N/-S**	0.00 ft	**Northing:**	1,875,663.65 usft	**Latitude:**	36.14795400
	+E/-W	0.00 ft	**Easting:**	1,258,521.24 usft	**Longitude:**	-107.54352300
Position Uncertainty		0.00 ft	**Wellhead Elevation:**	6,962.00 ft	**Ground Level:**	6,962.00 ft
Grid Convergence:		-0.763 °				

Wellbore Orig hole

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2025 (4)	4/23/2026	8.335	62.540	48,718.13901016

Design rev0

Audit Notes:

Version:		**Phase:**	PLAN	**Tie On Depth:**	0.00

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	0.000

Plan Survey Tool Program **Date** 4/23/2026

	Depth From (ft)	Depth To (ft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	7,666.00	rev0 (Orig hole)	MWD	
				OWSG MWD - Standard	

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.000	
7,666.00	0.00	0.000	7,666.00	0.00	0.00	0.00	0.00	0.00	0.000	

ENDURING RESOURCES, LLC

Planning Report

Database:	DT-Oct0825v17	**Local Co-ordinate Reference:**	Well ACU SWD 001
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=6962+23.5 @ 6985.50ft
Project:	Sandoval County, New Mexico NAD83 NM C	**MD Reference:**	RKB=6962+23.5 @ 6985.50ft
Site:	Sec 11 T22N R07W Alamos Canyon (222,224 & 226)	**North Reference:**	Grid
Well:	ACU SWD 001	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Orig hole		
Design:	rev0		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.000	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.000	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.000	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.000	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.000	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.000	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.000	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.000	900.00	0.00	0.00	0.00	0.00	0.00	0.00
941.00	0.00	0.000	941.00	0.00	0.00	0.00	0.00	0.00	0.00
Ojo Alamo									
1,000.00	0.00	0.000	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,006.00	0.00	0.000	1,006.00	0.00	0.00	0.00	0.00	0.00	0.00
Kirtland									
1,100.00	0.00	0.000	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.000	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,201.00	0.00	0.000	1,201.00	0.00	0.00	0.00	0.00	0.00	0.00
Fruitland									
1,300.00	0.00	0.000	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.000	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,476.00	0.00	0.000	1,476.00	0.00	0.00	0.00	0.00	0.00	0.00
Pictured Cliffs									
1,500.00	0.00	0.000	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.000	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,601.00	0.00	0.000	1,601.00	0.00	0.00	0.00	0.00	0.00	0.00
Lewis									
1,700.00	0.00	0.000	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.000	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,876.00	0.00	0.000	1,876.00	0.00	0.00	0.00	0.00	0.00	0.00
Chacra									
1,900.00	0.00	0.000	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.000	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.000	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.000	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.000	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.000	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.000	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.000	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.000	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.000	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.000	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,946.00	0.00	0.000	2,946.00	0.00	0.00	0.00	0.00	0.00	0.00
Cliff House									
2,996.00	0.00	0.000	2,996.00	0.00	0.00	0.00	0.00	0.00	0.00
Menefee									
3,000.00	0.00	0.000	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.000	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.000	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.000	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.000	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.000	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00

ENDURING RESOURCES, LLC

Planning Report

Database:	DT-Oct0825v17	**Local Co-ordinate Reference:**	Well ACU SWD 001
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=6962+23.5 @ 6985.50ft
Project:	Sandoval County, New Mexico NAD83 NM C	**MD Reference:**	RKB=6962+23.5 @ 6985.50ft
Site:	Sec 11 T22N R07W Alamos Canyon (222,224 & 226)	**North Reference:**	Grid
Well:	ACU SWD 001	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Orig hole		
Design:	rev0		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
3,600.00	0.00	0.000	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.000	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.000	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,856.00	0.00	0.000	3,856.00	0.00	0.00	0.00	0.00	0.00	0.00
Point Lookout									
3,900.00	0.00	0.000	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.000	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,036.00	0.00	0.000	4,036.00	0.00	0.00	0.00	0.00	0.00	0.00
Mancos									
4,100.00	0.00	0.000	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	0.00	0.000	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00
4,300.00	0.00	0.000	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00
4,400.00	0.00	0.000	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00
4,500.00	0.00	0.000	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00
4,600.00	0.00	0.000	4,600.00	0.00	0.00	0.00	0.00	0.00	0.00
4,700.00	0.00	0.000	4,700.00	0.00	0.00	0.00	0.00	0.00	0.00
4,800.00	0.00	0.000	4,800.00	0.00	0.00	0.00	0.00	0.00	0.00
4,900.00	0.00	0.000	4,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,991.00	0.00	0.000	4,991.00	0.00	0.00	0.00	0.00	0.00	0.00
MNCS_G									
5,000.00	0.00	0.000	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00
5,100.00	0.00	0.000	5,100.00	0.00	0.00	0.00	0.00	0.00	0.00
5,136.00	0.00	0.000	5,136.00	0.00	0.00	0.00	0.00	0.00	0.00
Basal Niobrara Unconfomity									
5,200.00	0.00	0.000	5,200.00	0.00	0.00	0.00	0.00	0.00	0.00
5,300.00	0.00	0.000	5,300.00	0.00	0.00	0.00	0.00	0.00	0.00
5,400.00	0.00	0.000	5,400.00	0.00	0.00	0.00	0.00	0.00	0.00
5,446.00	0.00	0.000	5,446.00	0.00	0.00	0.00	0.00	0.00	0.00
Juana Lopez									
5,500.00	0.00	0.000	5,500.00	0.00	0.00	0.00	0.00	0.00	0.00
5,600.00	0.00	0.000	5,600.00	0.00	0.00	0.00	0.00	0.00	0.00
5,700.00	0.00	0.000	5,700.00	0.00	0.00	0.00	0.00	0.00	0.00
5,800.00	0.00	0.000	5,800.00	0.00	0.00	0.00	0.00	0.00	0.00
5,826.00	0.00	0.000	5,826.00	0.00	0.00	0.00	0.00	0.00	0.00
Greenhorn Limestone									
5,866.00	0.00	0.000	5,866.00	0.00	0.00	0.00	0.00	0.00	0.00
Graneros									
5,900.00	0.00	0.000	5,900.00	0.00	0.00	0.00	0.00	0.00	0.00
5,911.00	0.00	0.000	5,911.00	0.00	0.00	0.00	0.00	0.00	0.00
Dakota									
6,000.00	0.00	0.000	6,000.00	0.00	0.00	0.00	0.00	0.00	0.00
6,100.00	0.00	0.000	6,100.00	0.00	0.00	0.00	0.00	0.00	0.00
6,111.00	0.00	0.000	6,111.00	0.00	0.00	0.00	0.00	0.00	0.00
Burro Canyon Fm									
6,200.00	0.00	0.000	6,200.00	0.00	0.00	0.00	0.00	0.00	0.00
6,211.00	0.00	0.000	6,211.00	0.00	0.00	0.00	0.00	0.00	0.00
Morrison									
6,300.00	0.00	0.000	6,300.00	0.00	0.00	0.00	0.00	0.00	0.00
6,400.00	0.00	0.000	6,400.00	0.00	0.00	0.00	0.00	0.00	0.00
6,500.00	0.00	0.000	6,500.00	0.00	0.00	0.00	0.00	0.00	0.00
6,506.00	0.00	0.000	6,506.00	0.00	0.00	0.00	0.00	0.00	0.00
Bluff Ss Member									

ENDURING RESOURCES, LLC

Planning Report

Database:	DT-Oct0825v17	**Local Co-ordinate Reference:**	Well ACU SWD 001
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=6962+23.5 @ 6985.50ft
Project:	Sandoval County, New Mexico NAD83 NM C	**MD Reference:**	RKB=6962+23.5 @ 6985.50ft
Site:	Sec 11 T22N R07W Alamos Canyon (222,224 & 226)	**North Reference:**	Grid
Well:	ACU SWD 001	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Orig hole		
Design:	rev0		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
6,600.00	0.00	0.000	6,600.00	0.00	0.00	0.00	0.00	0.00	0.00
6,700.00	0.00	0.000	6,700.00	0.00	0.00	0.00	0.00	0.00	0.00
6,800.00	0.00	0.000	6,800.00	0.00	0.00	0.00	0.00	0.00	0.00
6,806.00	0.00	0.000	6,806.00	0.00	0.00	0.00	0.00	0.00	0.00
Salt Wash Basin Member									
6,900.00	0.00	0.000	6,900.00	0.00	0.00	0.00	0.00	0.00	0.00
6,991.00	0.00	0.000	6,991.00	0.00	0.00	0.00	0.00	0.00	0.00
Smallville									
7,000.00	0.00	0.000	7,000.00	0.00	0.00	0.00	0.00	0.00	0.00
7,066.00	0.00	0.000	7,066.00	0.00	0.00	0.00	0.00	0.00	0.00
Todilto									
7,086.00	0.00	0.000	7,086.00	0.00	0.00	0.00	0.00	0.00	0.00
Entrada									
7,100.00	0.00	0.000	7,100.00	0.00	0.00	0.00	0.00	0.00	0.00
7,200.00	0.00	0.000	7,200.00	0.00	0.00	0.00	0.00	0.00	0.00
7,300.00	0.00	0.000	7,300.00	0.00	0.00	0.00	0.00	0.00	0.00
7,316.00	0.00	0.000	7,316.00	0.00	0.00	0.00	0.00	0.00	0.00
Chinle									
7,400.00	0.00	0.000	7,400.00	0.00	0.00	0.00	0.00	0.00	0.00
7,500.00	0.00	0.000	7,500.00	0.00	0.00	0.00	0.00	0.00	0.00
7,600.00	0.00	0.000	7,600.00	0.00	0.00	0.00	0.00	0.00	0.00
7,666.00	0.00	0.000	7,666.00	0.00	0.00	0.00	0.00	0.00	0.00
PBHL/TD @ 7666.00 MD 7666.00 TVD									

ENDURING RESOURCES, LLC

Planning Report

Database:	DT-Oct0825v17	**Local Co-ordinate Reference:**	Well ACU SWD 001
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=6962+23.5 @ 6985.50ft
Project:	Sandoval County, New Mexico NAD83 NM C	**MD Reference:**	RKB=6962+23.5 @ 6985.50ft
Site:	Sec 11 T22N R07W Alamos Canyon (222,224 & 226)	**North Reference:**	Grid
Well:	ACU SWD 001	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Orig hole		
Design:	rev0		

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
941.00	941.00	Ojo Alamo			
1,006.00	1,006.00	Kirtland			
1,201.00	1,201.00	Fruitland			
1,476.00	1,476.00	Pictured Cliffs			
1,601.00	1,601.00	Lewis			
1,876.00	1,876.00	Chacra			
2,946.00	2,946.00	Cliff House			
2,996.00	2,996.00	Menefee			
3,856.00	3,856.00	Point Lookout			
4,036.00	4,036.00	Mancos			
4,991.00	4,991.00	MNCS_G			
5,136.00	5,136.00	Basal Niobrara Unconfomity			
5,446.00	5,446.00	Juana Lopez			
5,826.00	5,826.00	Greenhorn Limestone			
5,866.00	5,866.00	Graneros			
5,911.00	5,911.00	Dakota			
6,111.00	6,111.00	Burro Canyon Fm			
6,211.00	6,211.00	Morrison			
6,506.00	6,506.00	Bluff Ss Member			
6,806.00	6,806.00	Salt Wash Basin Member			
6,991.00	6,991.00	Smallville			
7,066.00	7,066.00	Todilto			
7,086.00	7,086.00	Entrada			
7,316.00	7,316.00	Chinle			

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
7,666.00	7,666.00	0.00	0.00	PBHL/TD @ 7666.00 MD 7666.00 TVD

ENDURING RESOURCES, LLC

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well ACU SWD 001
Project:	Sandoval County, New Mexico NAD83 NM C	**TVD Reference:**	RKB=6962+23.5 @ 6985.50ft
Reference Site:	Sec 11 T22N R07W Alamos Canyon (222,224 & 226)	**MD Reference:**	RKB=6962+23.5 @ 6985.50ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	ACU SWD 001	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Orig hole	**Database:**	DT-Oct0825v17
Reference Design:	rev0	**Offset TVD Reference:**	Offset Datum

Reference rev0

Filter type:	GLOBAL FILTER APPLIED: All wellpaths within 200'+ 100/1000 of reference		
Interpolation Method:	MD Interval 100.00ft	**Error Model:**	ISCWSA
Depth Range:	Unlimited	**Scan Method:**	Closest Approach 3D
Results Limited by:	Maximum centre distance of 966.60ft	**Error Surface:**	Ellipsoid Separation
Warning Levels Evaluated at:	2.00 **Sigma**	**Casing Method:**	Not applied

Survey Tool Program **Date** 4/23/2026

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.00	7,666.00	rev0 (Orig hole)	MWD	OWSG MWD - Standard

Summary

Site Name / Offset Well - Wellbore - Design	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
N Escavada Unit						
N Escavada Unit 311 H - Original Hole - Surveys Original	0.00	0.00	59.94			
N Escavada Unit 311 H - Original Hole - Surveys Original	806.40	803.40	60.57	55.01	10.889	ES
N Escavada Unit 311 H - Original Hole - Surveys Original	1,000.00	993.53	66.72	59.77	9.593	SF
Sec 11 T22N R07W Alamos Canyon (222,224 & 226)						
Alamos Canyon Unit 222H - Original Hole - rev1	1,000.00	1,000.00	39.87	32.87	5.694	CC, ES
Alamos Canyon Unit 222H - Original Hole - rev1	1,100.00	1,098.66	41.49	33.80	5.393	SF
Alamos Canyon Unit 224H - Original Hole - rev1	1,000.00	1,000.00	19.90	12.89	2.842	CC
Alamos Canyon Unit 224H - Original Hole - rev1	1,100.00	1,099.78	20.38	12.66	2.641	ES, SF

Offset Design: N Escavada Unit - N Escavada Unit 311 H - Original Hole - Surveys Original Hole

Offset Site Error: 0.00 ft

Survey Program: 21-MWD **Rule Assigned:** **Offset Well Error:** 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	-101.532	-11.96	-58.63	59.94				
100.00	100.00	95.93	95.93	0.27	0.27	-101.375	-11.86	-58.95	60.14	59.59	0.54	110.935	
200.00	200.00	195.65	195.64	0.63	0.62	-101.018	-11.75	-60.33	61.47	60.22	1.26	48.913	
300.00	300.00	296.08	296.06	0.99	0.98	-100.848	-11.73	-61.22	62.33	60.36	1.97	31.577	
400.00	400.00	396.32	396.30	1.35	1.34	-101.052	-12.05	-61.72	62.88	60.20	2.69	23.413	
500.00	500.00	496.78	496.77	1.71	1.68	-100.996	-11.96	-61.56	62.71	59.33	3.39	18.523	
600.00	600.00	597.00	596.96	2.07	2.02	-98.978	-9.70	-61.39	62.15	58.06	4.09	15.198	
700.00	700.00	697.27	697.10	2.43	2.38	-94.652	-4.97	-61.07	61.27	56.47	4.80	12.765	
800.00	800.00	797.04	796.57	2.78	2.73	-87.380	2.77	-60.51	60.57	55.05	5.52	10.980	
806.40	806.40	803.40	802.90	2.81	2.76	-86.803	3.38	-60.47	60.57	55.01	5.56	10.889	ES
900.00	900.00	896.00	894.88	3.14	3.10	-76.858	14.01	-60.01	61.65	55.41	6.24	9.881	
1,000.00	1,000.00	993.53	991.26	3.50	3.47	-64.215	28.94	-59.90	66.72	59.77	6.96	9.593	SF
1,100.00	1,100.00	1,089.39	1,085.30	3.86	3.87	-51.947	47.45	-60.61	77.79	70.14	7.64	10.175	
1,200.00	1,200.00	1,184.39	1,177.65	4.22	4.28	-41.557	69.68	-61.77	95.01	86.70	8.31	11.434	
1,300.00	1,300.00	1,277.81	1,267.77	4.58	4.72	-34.020	94.24	-63.61	117.28	108.33	8.95	13.106	
1,400.00	1,400.00	1,370.94	1,357.01	4.93	5.18	-28.880	120.69	-66.57	143.37	133.78	9.60	14.938	
1,500.00	1,500.00	1,460.70	1,442.33	5.29	5.66	-25.319	148.32	-70.17	172.80	162.59	10.21	16.931	
1,600.00	1,600.00	1,555.28	1,531.71	5.65	6.18	-22.862	178.80	-75.39	204.57	193.67	10.91	18.757	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

ENDURING RESOURCES, LLC

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well ACU SWD 001
Project:	Sandoval County, New Mexico NAD83 NM C	**TVD Reference:**	RKB=6962+23.5 @ 6985.50ft
Reference Site:	Sec 11 T22N R07W Alamos Canyon (222,224 & 226)	**MD Reference:**	RKB=6962+23.5 @ 6985.50ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	ACU SWD 001	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Orig hole	**Database:**	DT-Oct0825v17
Reference Design:	rev0	**Offset TVD Reference:**	Offset Datum

Offset Design: N Escavada Unit - N Escavada Unit 311 H - Original Hole - Surveys Original Hole

Offset Site Error: 0.00 ft

Survey Program: 21-MWD

Offset Well Error: 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Rule Assigned: Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
1,700.00	1,700.00	1,651.58	1,622.96	6.01	6.72	-21.255	209.00	-81.30	236.00	224.37	11.64	20.279	
1,800.00	1,800.00	1,755.33	1,721.85	6.37	7.30	-19.813	239.95	-86.45	265.75	253.29	12.46	21.322	
1,900.00	1,900.00	1,858.18	1,820.76	6.73	7.85	-18.573	267.89	-90.02	292.58	279.32	13.26	22.063	
2,000.00	2,000.00	1,952.18	1,911.33	7.09	8.35	-17.584	292.89	-92.82	318.83	304.87	13.96	22.841	
2,100.00	2,100.00	2,042.54	1,998.01	7.44	8.85	-16.545	318.36	-94.58	346.41	331.79	14.62	23.694	
2,200.00	2,200.00	2,133.08	2,084.40	7.80	9.37	-15.523	345.40	-95.94	375.59	360.30	15.29	24.568	
2,300.00	2,300.00	2,229.17	2,175.96	8.16	9.92	-14.702	374.48	-98.26	405.49	389.47	16.02	25.309	
2,400.00	2,400.00	2,332.40	2,274.86	8.52	10.50	-14.140	403.83	-101.73	433.85	417.02	16.83	25.777	
2,500.00	2,500.00	2,415.33	2,354.00	8.88	10.98	-13.650	428.49	-104.06	463.40	445.97	17.42	26.594	
2,600.00	2,600.00	2,514.88	2,448.78	9.24	11.56	-13.093	458.84	-106.72	493.70	475.50	18.20	27.124	
2,700.00	2,700.00	2,610.11	2,539.61	9.59	12.12	-12.668	487.27	-109.52	523.49	504.56	18.93	27.652	
2,800.00	2,800.00	2,696.52	2,621.73	9.95	12.63	-12.242	514.09	-111.54	554.33	534.76	19.57	28.324	
2,900.00	2,900.00	2,794.67	2,714.83	10.31	13.22	-11.771	545.09	-113.59	585.69	565.35	20.34	28.799	
3,000.00	3,000.00	2,902.11	2,817.21	10.67	13.85	-11.302	577.64	-115.44	615.74	594.55	21.19	29.056	
3,100.00	3,100.00	3,000.45	2,911.40	11.03	14.42	-10.960	605.82	-117.31	644.23	622.28	21.95	29.348	
3,200.00	3,200.00	3,089.50	2,996.43	11.39	14.93	-10.727	632.18	-119.76	673.81	651.18	22.62	29.783	
3,300.00	3,300.00	3,195.79	3,098.20	11.75	15.55	-10.505	662.68	-122.88	702.54	679.08	23.46	29.950	
3,400.00	3,400.00	3,290.30	3,188.87	12.10	16.09	-10.417	689.06	-126.68	730.73	706.55	24.18	30.220	
3,500.00	3,500.00	3,376.28	3,271.17	12.46	16.58	-10.290	713.78	-129.58	759.63	734.80	24.83	30.597	
3,600.00	3,600.00	3,457.98	3,348.91	12.82	17.07	-10.170	738.71	-132.51	790.28	764.85	25.43	31.072	
3,700.00	3,700.00	3,558.92	3,444.88	13.18	17.68	-10.047	769.77	-136.38	821.26	795.03	26.23	31.312	
3,800.00	3,800.00	3,661.01	3,542.16	13.54	18.28	-9.963	800.45	-140.60	851.58	824.55	27.03	31.506	
3,900.00	3,900.00	3,758.85	3,635.67	13.90	18.86	-9.907	828.93	-144.77	880.97	853.18	27.79	31.703	
4,000.00	4,000.00	3,847.32	3,719.95	14.25	19.38	-9.849	855.55	-148.53	911.32	882.86	28.46	32.018	
4,100.00	4,100.00	3,957.04	3,824.93	14.61	20.02	-9.790	887.15	-153.08	940.33	911.00	29.33	32.063	

ENDURING RESOURCES, LLC

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well ACU SWD 001
Project:	Sandoval County, New Mexico NAD83 NM C	**TVD Reference:**	RKB=6962+23.5 @ 6985.50ft
Reference Site:	Sec 11 T22N R07W Alamos Canyon (222,224 & 226)	**MD Reference:**	RKB=6962+23.5 @ 6985.50ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	ACU SWD 001	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Orig hole	**Database:**	DT-Oct0825v17
Reference Design:	rev0	**Offset TVD Reference:**	Offset Datum

Offset Design: Sec 11 T22N R07W Alamos Canyon (222,224 & 226) - Alamos Canyon Unit 222H - Original Hole - rev1 — **Offset Site Error:** 0.00 ft

Survey Program: 0-MWD — **Offset Well Error:** 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Rule Assigned: Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	-101.362	-7.85	-39.08	39.87				
100.00	100.00	100.00	100.00	0.27	0.27	-101.362	-7.85	-39.08	39.87	39.32	0.55	72.687	
200.00	200.00	200.00	200.00	0.63	0.63	-101.362	-7.85	-39.08	39.87	38.60	1.27	31.505	
300.00	300.00	300.00	300.00	0.99	0.99	-101.362	-7.85	-39.08	39.87	37.88	1.98	20.111	
400.00	400.00	400.00	400.00	1.35	1.35	-101.362	-7.85	-39.08	39.87	37.17	2.70	14.769	
500.00	500.00	500.00	500.00	1.71	1.71	-101.362	-7.85	-39.08	39.87	36.45	3.42	11.670	
600.00	600.00	600.00	600.00	2.07	2.07	-101.362	-7.85	-39.08	39.87	35.73	4.13	9.645	
700.00	700.00	700.00	700.00	2.43	2.43	-101.362	-7.85	-39.08	39.87	35.02	4.85	8.220	
800.00	800.00	800.00	800.00	2.78	2.78	-101.362	-7.85	-39.08	39.87	34.30	5.57	7.161	
900.00	900.00	900.00	900.00	3.14	3.14	-101.362	-7.85	-39.08	39.87	33.58	6.28	6.344	
1,000.00	1,000.00	1,000.00	1,000.00	3.50	3.50	-101.362	-7.85	-39.08	39.87	32.87	7.00	5.694	CC, ES
1,100.00	1,100.00	1,098.66	1,098.61	3.86	3.84	-104.155	-10.14	-40.21	41.49	33.80	7.69	5.393	SF
1,200.00	1,200.00	1,196.79	1,196.44	4.22	4.16	-111.264	-16.95	-43.55	46.86	38.51	8.36	5.606	
1,300.00	1,300.00	1,293.89	1,292.73	4.58	4.50	-119.829	-28.11	-49.03	56.98	47.98	9.01	6.328	
1,400.00	1,400.00	1,389.49	1,386.80	4.93	4.84	-127.506	-43.38	-56.52	72.47	62.84	9.62	7.531	
1,500.00	1,500.00	1,483.15	1,478.01	5.29	5.21	-133.460	-62.42	-65.87	93.37	83.16	10.21	9.145	
1,600.00	1,600.00	1,576.64	1,568.02	5.65	5.60	-137.858	-85.09	-76.99	119.12	108.31	10.81	11.016	
1,700.00	1,700.00	1,672.68	1,660.27	6.01	6.04	-140.861	-109.09	-88.78	146.15	134.65	11.50	12.710	
1,800.00	1,800.00	1,768.73	1,752.52	6.37	6.49	-142.927	-133.10	-100.56	173.44	161.25	12.19	14.227	
1,900.00	1,900.00	1,864.78	1,844.77	6.73	6.96	-144.431	-157.10	-112.34	200.88	187.99	12.89	15.586	
2,000.00	2,000.00	1,960.82	1,937.02	7.09	7.44	-145.574	-181.11	-124.13	228.42	214.83	13.59	16.807	
2,100.00	2,100.00	2,056.87	2,029.26	7.44	7.93	-146.471	-205.11	-135.91	256.02	241.72	14.30	17.907	
2,200.00	2,200.00	2,152.91	2,121.51	7.80	8.44	-147.193	-229.12	-147.69	283.67	268.66	15.01	18.903	
2,300.00	2,300.00	2,248.96	2,213.76	8.16	8.94	-147.787	-253.12	-159.48	311.35	295.64	15.72	19.807	
2,400.00	2,400.00	2,345.01	2,306.01	8.52	9.46	-148.285	-277.13	-171.26	339.07	322.63	16.44	20.631	
2,500.00	2,500.00	2,441.05	2,398.26	8.88	9.98	-148.707	-301.13	-183.04	366.80	349.64	17.15	21.385	
2,600.00	2,600.00	2,537.10	2,490.50	9.24	10.50	-149.069	-325.14	-194.83	394.54	376.67	17.87	22.076	
2,700.00	2,700.00	2,633.14	2,582.75	9.59	11.03	-149.385	-349.14	-206.61	422.30	403.71	18.59	22.714	
2,800.00	2,800.00	2,729.19	2,675.00	9.95	11.56	-149.661	-373.15	-218.39	450.07	430.75	19.31	23.302	
2,900.00	2,900.00	2,825.23	2,767.25	10.31	12.10	-149.905	-397.16	-230.18	477.85	457.81	20.04	23.846	
3,000.00	3,000.00	2,921.28	2,859.50	10.67	12.63	-150.122	-421.16	-241.96	505.63	484.87	20.76	24.352	
3,100.00	3,100.00	3,017.33	2,951.74	11.03	13.17	-150.317	-445.17	-253.74	533.42	511.93	21.49	24.822	
3,200.00	3,200.00	3,113.37	3,043.99	11.39	13.71	-150.492	-469.17	-265.53	561.22	539.00	22.22	25.261	
3,300.00	3,300.00	3,209.42	3,136.24	11.75	14.25	-150.651	-493.18	-277.31	589.02	566.07	22.94	25.671	
3,400.00	3,400.00	3,305.46	3,228.49	12.10	14.80	-150.796	-517.18	-289.09	616.82	593.15	23.67	26.055	
3,500.00	3,500.00	3,401.51	3,320.74	12.46	15.34	-150.928	-541.19	-300.88	644.63	620.23	24.40	26.416	
3,600.00	3,600.00	3,497.56	3,412.98	12.82	15.89	-151.049	-565.19	-312.66	672.44	647.31	25.13	26.755	
3,700.00	3,700.00	3,593.60	3,505.23	13.18	16.44	-151.161	-589.20	-324.44	700.25	674.39	25.86	27.075	
3,800.00	3,800.00	3,689.65	3,597.48	13.54	16.98	-151.264	-613.20	-336.23	728.07	701.47	26.59	27.376	
3,900.00	3,900.00	3,785.69	3,689.73	13.90	17.53	-151.359	-637.21	-348.01	755.88	728.56	27.33	27.661	
4,000.00	4,000.00	3,897.45	3,797.17	14.25	18.17	-151.460	-664.81	-361.56	783.48	755.27	28.20	27.778	
4,100.00	4,100.00	4,064.55	3,960.25	14.61	19.01	-151.570	-697.29	-377.50	805.14	775.69	29.46	27.335	
4,200.00	4,200.00	4,236.96	4,131.16	14.97	19.71	-151.632	-717.26	-387.31	818.05	787.56	30.49	26.827	
4,300.00	4,300.00	4,405.99	4,300.00	15.33	20.23	-151.650	-723.35	-390.29	821.93	790.66	31.27	26.282	
4,400.00	4,400.00	4,505.99	4,400.00	15.69	20.48	-151.650	-723.35	-390.29	821.93	789.99	31.95	25.729	
4,414.42	4,414.42	4,520.41	4,414.42	15.74	20.52	-151.650	-723.35	-390.29	821.93	789.89	32.04	25.651	
4,500.00	4,500.00	4,600.00	4,494.01	16.05	20.72	-151.651	-723.36	-390.29	821.95	789.33	32.62	25.196	
4,600.00	4,600.00	4,671.03	4,564.84	16.41	20.93	-151.956	-726.78	-387.15	824.22	790.93	33.29	24.759	
4,700.00	4,700.00	4,736.66	4,629.32	16.76	21.14	-152.743	-735.67	-379.01	830.57	796.67	33.91	24.496	
4,800.00	4,800.00	4,800.00	4,689.85	17.12	21.37	-153.938	-749.34	-366.48	841.40	806.94	34.46	24.415	
4,900.00	4,900.00	4,850.00	4,735.96	17.48	21.56	-155.161	-763.56	-353.45	857.24	822.37	34.87	24.587	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

ENDURING RESOURCES, LLC

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well ACU SWD 001
Project:	Sandoval County, New Mexico NAD83 NM C	**TVD Reference:**	RKB=6962+23.5 @ 6985.50ft
Reference Site:	Sec 11 T22N R07W Alamos Canyon (222,224 & 226)	**MD Reference:**	RKB=6962+23.5 @ 6985.50ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	ACU SWD 001	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Orig hole	**Database:**	DT-Oct0825v17
Reference Design:	rev0	**Offset TVD Reference:**	Offset Datum

Offset Design: Sec 11 T22N R07W Alamos Canyon (222,224 & 226) - Alamos Canyon Unit 222H - Original Hole - rev1

Offset Site Error: 0.00 ft

Survey Program: 0-MWD

Offset Well Error: 0.00 ft

Rule Assigned:

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,000.00	5,000.00	4,900.00	4,780.22	17.84	21.76	-156.605	-780.69	-337.75	878.56	843.40	35.16	24.988	
5,100.00	5,100.00	4,950.00	4,822.28	18.20	21.98	-158.244	-800.60	-319.51	905.64	870.28	35.35	25.617	
5,200.00	5,200.00	5,000.00	4,861.83	18.56	22.20	-160.045	-823.14	-298.86	938.74	903.28	35.46	26.475	

ENDURING RESOURCES, LLC

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well ACU SWD 001
Project:	Sandoval County, New Mexico NAD83 NM C	**TVD Reference:**	RKB=6962+23.5 @ 6985.50ft
Reference Site:	Sec 11 T22N R07W Alamos Canyon (222,224 & 226)	**MD Reference:**	RKB=6962+23.5 @ 6985.50ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	ACU SWD 001	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Orig hole	**Database:**	DT-Oct0825v17
Reference Design:	rev0	**Offset TVD Reference:**	Offset Datum

Offset Design: Sec 11 T22N R07W Alamos Canyon (222,224 & 226) - Alamos Canyon Unit 224H - Original Hole - rev1

Offset Site Error: 0.00 ft

Survey Program: 0-MWD

Offset Well Error: 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Rule Assigned: Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	-100.849	-3.74	-19.54	19.90				
100.00	100.00	100.00	100.00	0.27	0.27	-100.849	-3.74	-19.54	19.90	19.35	0.55	36.275	
200.00	200.00	200.00	200.00	0.63	0.63	-100.849	-3.74	-19.54	19.90	18.63	1.27	15.723	
300.00	300.00	300.00	300.00	0.99	0.99	-100.849	-3.74	-19.54	19.90	17.91	1.98	10.036	
400.00	400.00	400.00	400.00	1.35	1.35	-100.849	-3.74	-19.54	19.90	17.20	2.70	7.371	
500.00	500.00	500.00	500.00	1.71	1.71	-100.849	-3.74	-19.54	19.90	16.48	3.42	5.824	
600.00	600.00	600.00	600.00	2.07	2.07	-100.849	-3.74	-19.54	19.90	15.76	4.13	4.814	
700.00	700.00	700.00	700.00	2.43	2.43	-100.849	-3.74	-19.54	19.90	15.05	4.85	4.102	
800.00	800.00	800.00	800.00	2.78	2.78	-100.849	-3.74	-19.54	19.90	14.33	5.57	3.574	
900.00	900.00	900.00	900.00	3.14	3.14	-100.849	-3.74	-19.54	19.90	13.61	6.28	3.166	
1,000.00	1,000.00	1,000.00	1,000.00	3.50	3.50	-100.849	-3.74	-19.54	19.90	12.89	7.00	2.842 CC	
1,100.00	1,100.00	1,099.78	1,099.74	3.86	3.86	-93.555	-1.26	-20.34	20.38	12.66	7.72	2.641 ES, SF	
1,200.00	1,200.00	1,199.02	1,198.66	4.22	4.22	-74.914	6.12	-22.71	23.55	15.14	8.42	2.798	
1,300.00	1,300.00	1,297.20	1,296.00	4.58	4.57	-55.568	18.23	-26.59	32.49	23.41	9.08	3.577	
1,400.00	1,400.00	1,393.82	1,391.03	4.93	4.94	-42.528	34.78	-31.90	48.04	38.33	9.71	4.948	
1,500.00	1,500.00	1,488.44	1,483.13	5.29	5.32	-34.809	55.40	-38.52	69.55	59.25	10.31	6.749	
1,600.00	1,600.00	1,580.67	1,571.76	5.65	5.72	-30.167	79.66	-46.30	96.37	85.50	10.87	8.866	
1,700.00	1,700.00	1,670.19	1,656.52	6.01	6.14	-27.230	107.08	-55.10	128.03	116.62	11.41	11.220	
1,800.00	1,800.00	1,759.14	1,739.40	6.37	6.60	-25.238	137.82	-64.96	163.97	151.99	11.98	13.686	
1,900.00	1,900.00	1,851.95	1,825.54	6.73	7.11	-23.863	170.72	-75.52	200.98	188.31	12.67	15.858	
2,000.00	2,000.00	1,944.76	1,911.68	7.09	7.64	-22.916	203.62	-86.08	238.06	224.68	13.37	17.803	
2,100.00	2,100.00	2,037.57	1,997.82	7.44	8.20	-22.223	236.52	-96.63	275.17	261.10	14.08	19.550	
2,200.00	2,200.00	2,130.38	2,083.96	7.80	8.76	-21.696	269.42	-107.19	312.32	297.54	14.78	21.126	
2,300.00	2,300.00	2,223.20	2,170.10	8.16	9.34	-21.280	302.32	-117.75	349.48	333.99	15.50	22.553	
2,400.00	2,400.00	2,316.01	2,256.24	8.52	9.92	-20.944	335.22	-128.31	386.66	370.45	16.21	23.849	
2,500.00	2,500.00	2,408.82	2,342.38	8.88	10.52	-20.667	368.12	-138.86	423.84	406.91	16.93	25.033	
2,600.00	2,600.00	2,501.63	2,428.52	9.24	11.12	-20.435	401.03	-149.42	461.04	443.38	17.65	26.116	
2,700.00	2,700.00	2,594.44	2,514.65	9.59	11.72	-20.238	433.93	-159.98	498.23	479.86	18.38	27.111	
2,800.00	2,800.00	2,687.25	2,600.79	9.95	12.34	-20.067	466.83	-170.53	535.44	516.33	19.10	28.027	
2,900.00	2,900.00	2,780.06	2,686.93	10.31	12.95	-19.919	499.73	-181.09	572.64	552.81	19.83	28.874	
3,000.00	3,000.00	2,872.88	2,773.07	10.67	13.57	-19.790	532.63	-191.65	609.85	589.29	20.56	29.659	
3,100.00	3,100.00	2,965.69	2,859.21	11.03	14.20	-19.675	565.53	-202.21	647.06	625.77	21.29	30.388	
3,200.00	3,200.00	3,058.50	2,945.35	11.39	14.82	-19.572	598.43	-212.76	684.28	662.25	22.03	31.066	
3,300.00	3,300.00	3,151.31	3,031.49	11.75	15.45	-19.480	631.33	-223.32	721.49	698.73	22.76	31.699	
3,400.00	3,400.00	3,244.12	3,117.63	12.10	16.08	-19.397	664.23	-233.88	758.71	735.21	23.50	32.291	
3,500.00	3,500.00	3,336.93	3,203.77	12.46	16.71	-19.322	697.14	-244.43	795.93	771.69	24.23	32.846	
3,600.00	3,600.00	3,429.74	3,289.91	12.82	17.35	-19.254	730.04	-254.99	833.14	808.18	24.97	33.367	
3,700.00	3,700.00	3,522.56	3,376.05	13.18	17.98	-19.191	762.94	-265.55	870.36	844.66	25.71	33.856	
3,800.00	3,800.00	3,615.37	3,462.19	13.54	18.62	-19.134	795.84	-276.11	907.58	881.14	26.45	34.318	
3,900.00	3,900.00	3,708.18	3,548.33	13.90	19.26	-19.081	828.74	-286.66	944.81	917.62	27.19	34.754	
4,300.00	4,300.00	6,001.45	5,086.00	15.33	26.81	48.185	282.53	315.82	892.95	869.15	23.80	37.520	
4,400.00	4,400.00	6,000.80	5,086.00	15.69	26.81	48.098	283.00	315.39	806.32	780.99	25.33	31.827	
4,500.00	4,500.00	6,000.16	5,086.01	16.05	26.80	48.011	283.48	314.95	723.16	695.89	27.26	26.524	
4,600.00	4,600.00	5,999.52	5,086.01	16.41	26.79	47.924	283.95	314.52	644.79	615.10	29.69	21.716	
4,700.00	4,700.00	5,998.88	5,086.01	16.76	26.78	47.837	284.43	314.09	573.20	540.50	32.69	17.532	
4,800.00	4,800.00	5,998.23	5,086.02	17.12	26.78	47.750	284.90	313.65	511.23	474.98	36.25	14.105	
4,900.00	4,900.00	5,997.59	5,086.02	17.48	26.77	47.663	285.37	313.22	462.76	422.73	40.03	11.559	
5,000.00	5,000.00	5,996.95	5,086.03	17.84	26.76	47.576	285.85	312.78	432.37	389.08	43.28	9.989	
5,086.03	5,086.03	5,996.40	5,086.03	18.15	26.76	47.502	286.25	312.41	423.72	378.89	44.83	9.451	
5,100.00	5,100.00	5,996.31	5,086.03	18.20	26.76	47.489	286.32	312.35	423.95	379.02	44.94	9.435	
5,200.00	5,200.00	5,995.66	5,086.03	18.56	26.75	47.403	286.79	311.91	438.78	394.33	44.45	9.871	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

ENDURING RESOURCES, LLC

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well ACU SWD 001
Project:	Sandoval County, New Mexico NAD83 NM C	**TVD Reference:**	RKB=6962+23.5 @ 6985.50ft
Reference Site:	Sec 11 T22N R07W Alamos Canyon (222,224 & 226)	**MD Reference:**	RKB=6962+23.5 @ 6985.50ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	ACU SWD 001	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Orig hole	**Database:**	DT-Oct0825v17
Reference Design:	rev0	**Offset TVD Reference:**	Offset Datum

Offset Design: Sec 11 T22N R07W Alamos Canyon (222,224 & 226) - Alamos Canyon Unit 224H - Original Hole - rev1

Offset Site Error: 0.00 ft

Survey Program: 0-MWD

Offset Well Error: 0.00 ft

Rule Assigned:

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,300.00	5,300.00	5,995.02	5,086.04	18.91	26.74	47.316	287.27	311.48	474.68	432.35	42.33	11.215	
5,400.00	5,400.00	5,994.38	5,086.04	19.27	26.74	47.229	287.74	311.05	527.37	487.83	39.54	13.337	
5,500.00	5,500.00	5,993.74	5,086.05	19.63	26.73	47.142	288.22	310.61	592.37	555.57	36.80	16.096	
5,600.00	5,600.00	5,993.09	5,086.05	19.99	26.72	47.055	288.69	310.18	666.10	631.68	34.43	19.347	
5,700.00	5,700.00	5,992.45	5,086.06	20.35	26.72	46.968	289.16	309.74	745.98	713.49	32.48	22.964	
5,800.00	5,800.00	5,991.81	5,086.06	20.71	26.71	46.881	289.64	309.31	830.23	799.29	30.93	26.840	
5,900.00	5,900.00	5,991.17	5,086.06	21.07	26.70	46.794	290.11	308.88	917.64	887.93	29.71	30.886	

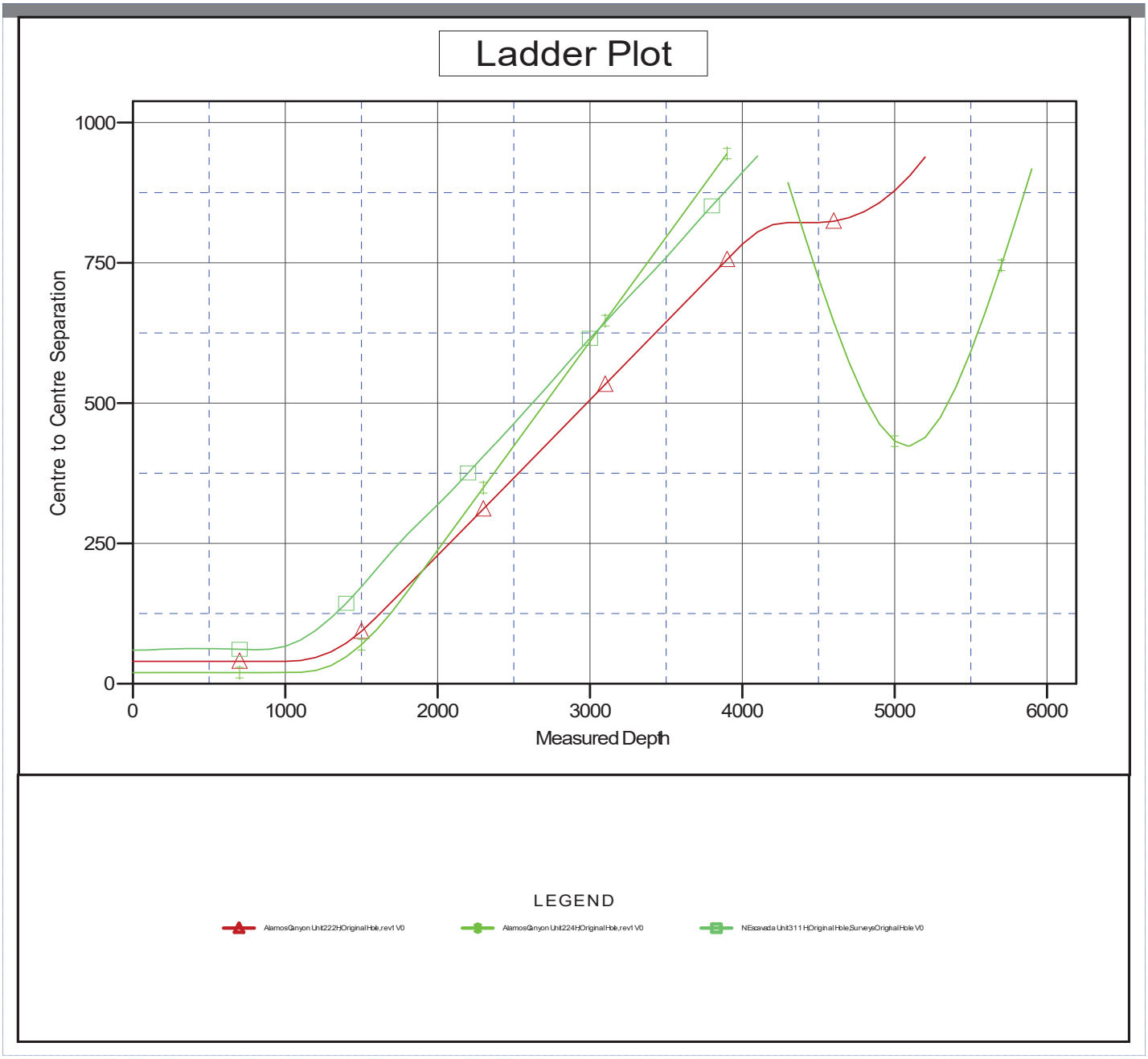
ENDURING RESOURCES, LLC

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well ACU SWD 001
Project:	Sandoval County, New Mexico NAD83 NM C	**TVD Reference:**	RKB=6962+23.5 @ 6985.50ft
Reference Site:	Sec 11 T22N R07W Alamos Canyon (222,224 & 226)	**MD Reference:**	RKB=6962+23.5 @ 6985.50ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	ACU SWD 001	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Orig hole	**Database:**	DT-Oct0825v17
Reference Design:	rev0	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to RKB=6962+23.5 @ 6985.50ft
Offset Depths are relative to Offset Datum
Central Meridian is -106.25000000

Coordinates are relative to: ACU SWD 001
Coordinate System is US State Plane 1983, New Mexico Central Zone
Grid Convergence at Surface is: -0.763°



CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

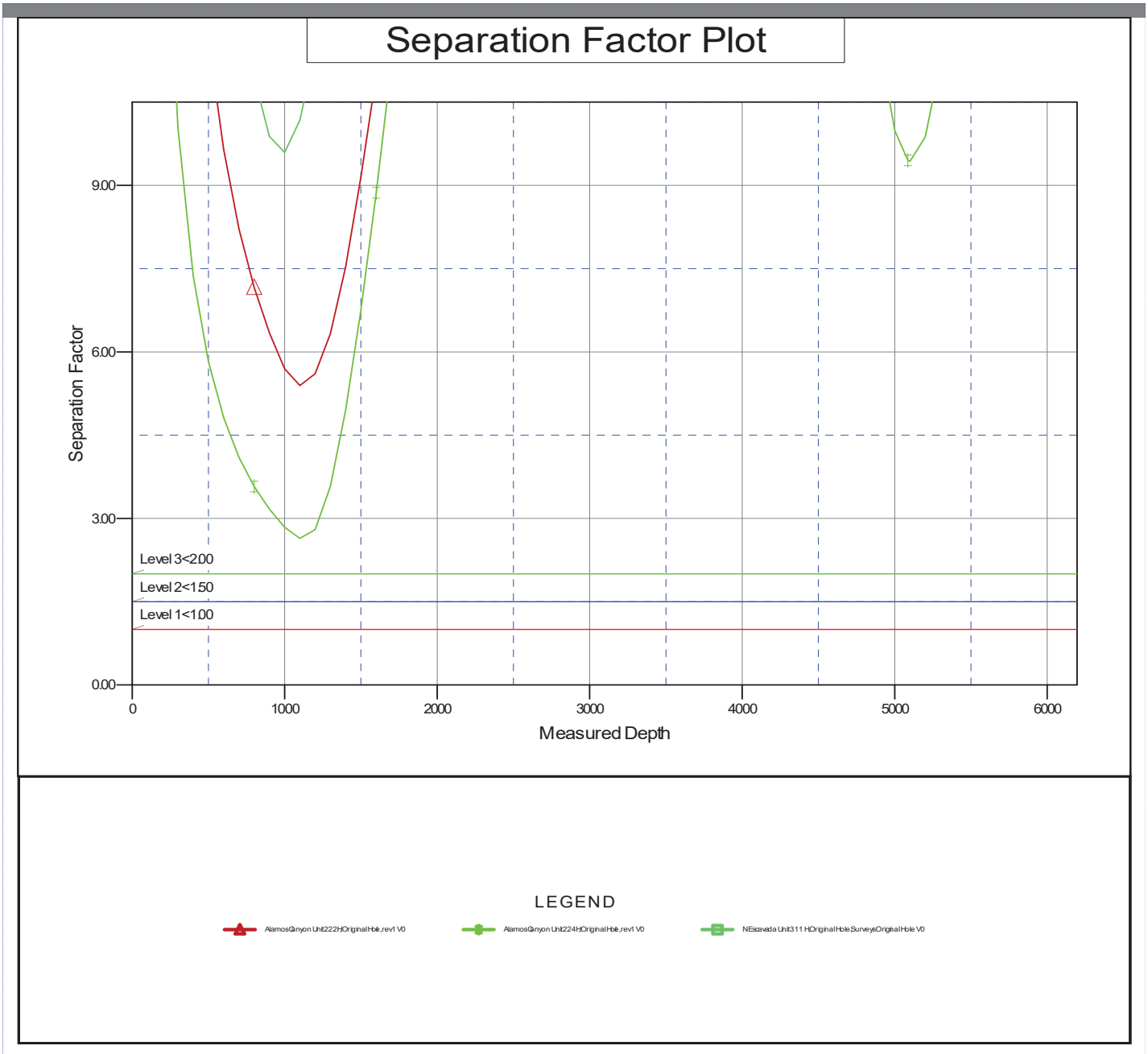
ENDURING RESOURCES, LLC

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well ACU SWD 001
Project:	Sandoval County, New Mexico NAD83 NM C	**TVD Reference:**	RKB=6962+23.5 @ 6985.50ft
Reference Site:	Sec 11 T22N R07W Alamos Canyon (222,224 & 226)	**MD Reference:**	RKB=6962+23.5 @ 6985.50ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	ACU SWD 001	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Orig hole	**Database:**	DT-Oct0825v17
Reference Design:	rev0	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to RKB=6962+23.5 @ 6985.50ft
Offset Depths are relative to Offset Datum
Central Meridian is -106.25000000
Coordinates are relative to: ACU SWD 001
Coordinate System is US State Plane 1983, New Mexico Central Zone
Grid Convergence at Surface is: -0.763°

Separation Factor Plot



Enduring Resources, LLC
Application For Authorization to Inject
ACU SWD #001

SOURCE ZONE WATER ANALYSIS

Venado Canyon WSW

Nageezi Unit WSW

N. Alamito Unit WSW #7

PRODUCED WATER ANALYSIS

Carson SWD #242

Lybrook Yard WDW #001

75 Suttle Street
Durango, CO 81303
970.247.4220 Phone
970.247.4227 Fax
www.greenanalytical.com

20 April 2022

Jake Harter
Cottonwood Consulting
PO Box 1653
Durango, CO 81302

RE: API - Classic

Enclosed are the results of analyses for samples received by the laboratory on 04/05/22 16:35. The data to follow was performed, in whole or in part, by Green Analytical Laboratories. Any data that was performed by a subcontract laboratory is included within the GAL report, or with an additional report attached.

If you need any further assistance, please feel free to contact me.

Sincerely,

Debbie Zufelt
Reports Manager

All accredited analytes contained in this report are denoted by an asterisk (*). For a complete list of accredited analytes please do not hesitate to contact us via any of the contact information contained in this report. All of our certifications can be viewed at http://greenanalytical.com/certifications/

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www.GreenAnalytical.com

Cottonwood Consulting	Project: API - Classic	
PO Box 1653	Project Name / Number: Carson Unit 242 SWD	**Reported:**
Durango CO, 81302	Project Manager: Jake Harter	04/20/22 16:28

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
Carson Unit 242 SWD	2204068-01	Water	04/05/22 12:50	04/05/22 16:35	

Green Analytical Laboratories

Debbie Zufelt

Debbie Zufelt, Reports Manager

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Cottonwood Consulting	Project: API - Classic	
PO Box 1653	Project Name / Number: Carson Unit 242 SWD	**Reported:**
Durango CO, 81302	Project Manager: Jake Harter	04/20/22 16:28

Carson Unit 242 SWD
API: 30-045-32447

2204068-01 (Produced Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
Alkalinity, Bicarbonate as CaCO3*	**725**	10.0	2.27	mg/L	5	04/11/22 09:00	2320 B		VJW
Alkalinity, Carbonate as CaCO3*	<10.0	10.0	2.27	mg/L	5	04/11/22 09:00	2320 B		VJW
Alkalinity, Hydroxide as CaCO3*	<10.0	10.0	2.27	mg/L	5	04/11/22 09:00	2320 B		VJW
Alkalinity, Total as CaCO3*	**725**	10.0	2.27	mg/L	5	04/11/22 09:00	2320 B		VJW
Chloride*	**20200**	500	15.2	mg/L	500	04/13/22 21:15	EPA300.0		AES
Conductivity*	**54400**	1.00		umho/cm @ 25.0°C	1	04/06/22 13:35	2510 B		VJW
pH*	**6.89**			pH Units	1	04/06/22 13:35	EPA150.1		VJW
pH Temperature, degrees C	**22.8**			pH Units	1	04/06/22 13:35	EPA150.1		VJW
Resistivity	**18.4**			ohm/cm	1	04/06/22 08:30	2510 B		VJW
Total Dissolved Solids*	**33900**	100		mg/L	10	04/08/22 10:40	EPA160.1		VJW
Specific Gravity	**1.026**	0.8000		No Unit	1	04/08/22 08:30	ASTM D1429-03		VJW
Sulfate*	**373**	500	62.0	mg/L	500	04/13/22 21:15	EPA300.0	J	AES
Total Recoverable Metals by ICP (E200.7)									
Iron*	**14.0**	2.50	1.89	mg/L	50	04/13/22 14:04	EPA200.7		AES
Dissolved Metals by ICP									
Barium*	**1.62**	1.00	0.424	mg/L	50	04/19/22 11:22	EPA200.7		AES
Calcium*	**257**	5.00	1.18	mg/L	50	04/19/22 11:22	EPA200.7		AES
Hardness as CaCO3	**904**	33.1	9.28	mg/L	50	04/19/22 11:22	2340 B		AES
Iron*	**10.5**	2.50	1.78	mg/L	50	04/19/22 11:22	EPA200.7		AES
Magnesium*	**64.0**	5.00	1.54	mg/L	50	04/19/22 11:22	EPA200.7		AES
Manganese*	<1.00	1.00	0.374	mg/L	50	04/19/22 11:22	EPA200.7		AES
Potassium*	**53.7**	50.0	3.25	mg/L	50	04/19/22 11:21	EPA200.7		AES
Sodium*	**12300**	50.0	5.28	mg/L	50	04/19/22 11:21	EPA200.7		AES
Strontium*	**48.3**	5.00	0.211	mg/L	50	04/19/22 11:21	EPA200.7		AES
Cation/Anion Balance	**-3.14**								

Green Analytical Laboratories

Debbie Zufelt

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Cottonwood Consulting	Project: API - Classic	
PO Box 1653	Project Name / Number: Carson Unit 242 SWD	**Reported:**
Durango CO, 81302	Project Manager: Jake Harter	04/20/22 16:28

General Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B220884 - General Prep - Wet Chem										
Duplicate (B220884-DUP2)		**Source: 2204062-01**		Prepared & Analyzed: 04/06/22						
pH	7.64		pH Units		7.62			0.262	20	
pH Temperature, degrees C	17.2		pH Units		17.9			3.99	200	
Reference (B220884-SRM1)				Prepared & Analyzed: 04/06/22						
pH	7.01		pH Units	7.00		100	98.57-101.42			
Batch B220885 - General Prep - Wet Chem										
Duplicate (B220885-DUP2)		**Source: 2204062-01**		Prepared & Analyzed: 04/06/22						
Conductivity	743	1.00	umho/cm @ 25.0°C		735			1.08	20	
Reference (B220885-SRM1)				Prepared & Analyzed: 04/06/22						
Conductivity	1060	1.00	umho/cm @ 25.0°C	1000		106	90-110			
Batch B220901 - General Prep - Wet Chem										
Duplicate (B220901-DUP1)		**Source: 2204066-01**		Prepared & Analyzed: 04/08/22						
Specific Gravity	1.025	0.8000	No Unit		1.026			0.0975	20	
Batch B220902 - General Prep - Wet Chem										
Blank (B220902-BLK1)				Prepared & Analyzed: 04/08/22						
Total Dissolved Solids	ND	10.0	mg/L							
Duplicate (B220902-DUP1)		**Source: 2204034-01**		Prepared & Analyzed: 04/08/22						
Total Dissolved Solids	3590	10.0	mg/L		3620			0.831	20	
Reference (B220902-SRM1)				Prepared & Analyzed: 04/08/22						
Total Dissolved Solids	580	10.0	mg/L	560		104	85-115			
Batch B220911 - General Prep - Wet Chem										
Blank (B220911-BLK1)				Prepared & Analyzed: 04/11/22						
Alkalinity, Bicarbonate as CaCO3	ND	10.0	mg/L							
Alkalinity, Carbonate as CaCO3	ND	10.0	mg/L							
Alkalinity, Hydroxide as CaCO3	ND	10.0	mg/L							
Alkalinity, Total as CaCO3	ND	10.0	mg/L							
LCS (B220911-BS1)				Prepared & Analyzed: 04/11/22						

Green Analytical Laboratories

Debbie Zufelt

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Cottonwood Consulting	Project: API - Classic	
PO Box 1653	Project Name / Number: Carson Unit 242 SWD	**Reported:**
Durango CO, 81302	Project Manager: Jake Harter	04/20/22 16:28

General Chemistry - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B220911 - General Prep - Wet Chem (Continued)										
LCS (B220911-BS1) (Continued)			Prepared & Analyzed: 04/11/22							
Alkalinity, Bicarbonate as CaCO3	95.0	10.0	mg/L	100		95.0	85-115			
Alkalinity, Carbonate as CaCO3	ND	10.0	mg/L				85-115			
Alkalinity, Hydroxide as CaCO3	ND	10.0	mg/L				85-115			
Alkalinity, Total as CaCO3	95.0	10.0	mg/L	100		95.0	85-115			
LCS Dup (B220911-BSD1)			Prepared & Analyzed: 04/11/22							
Alkalinity, Bicarbonate as CaCO3	94.0	10.0	mg/L	100		94.0	85-115	1.06	20	
Alkalinity, Carbonate as CaCO3	ND	10.0	mg/L				85-115		20	
Alkalinity, Hydroxide as CaCO3	ND	10.0	mg/L				85-115		20	
Alkalinity, Total as CaCO3	94.0	10.0	mg/L	100		94.0	85-115	1.06	20	
Batch B220944 - IC- Ion Chromatograph										
Blank (B220944-BLK1)			Prepared & Analyzed: 04/13/22							
Chloride	ND	1.00	mg/L							
Sulfate	ND	1.00	mg/L							
LCS (B220944-BS1)			Prepared & Analyzed: 04/13/22							
Chloride	25.0	1.00	mg/L	25.0		99.9	90-110			
Sulfate	24.8	1.00	mg/L	25.0		99.0	90-110			
LCS Dup (B220944-BSD1)			Prepared & Analyzed: 04/13/22							
Chloride	24.9	1.00	mg/L	25.0		99.8	90-110	0.0681	20	
Sulfate	25.1	1.00	mg/L	25.0		100	90-110	1.40	20	

Total Recoverable Metals by ICP (E200.7) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B220910 - Total Recoverable by ICP										
Blank (B220910-BLK1)			Prepared: 04/11/22 Analyzed: 04/12/22							
Iron	ND	0.050	mg/L							
LCS (B220910-BS1)			Prepared: 04/11/22 Analyzed: 04/12/22							
Iron	2.08	0.050	mg/L	2.00		104	85-115			
LCS Dup (B220910-BSD1)			Prepared: 04/11/22 Analyzed: 04/12/22							
Iron	2.06	0.050	mg/L	2.00		103	85-115	1.19	20	

Green Analytical Laboratories

Debbie Zufelt

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Cottonwood Consulting	Project: API - Classic	
PO Box 1653	Project Name / Number: Carson Unit 242 SWD	**Reported:**
Durango CO, 81302	Project Manager: Jake Harter	04/20/22 16:28

Dissolved Metals by ICP - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B220970 - Dissolved ICP										
Blank (B220970-BLK1)				Prepared: 04/18/22 Analyzed: 04/19/22						
Barium	ND	0.020	mg/L							
Calcium	ND	0.100	mg/L							
Iron	ND	0.050	mg/L							
Magnesium	ND	0.100	mg/L							
Manganese	ND	0.020	mg/L							
Potassium	ND	1.00	mg/L							
Sodium	ND	1.00	mg/L							
Strontium	ND	0.100	mg/L							
LCS (B220970-BS1)				Prepared: 04/18/22 Analyzed: 04/19/22						
Barium	2.47	0.020	mg/L	2.50		98.8	85-115			
Calcium	4.94	0.100	mg/L	5.00		98.8	85-115			
Iron	4.91	0.050	mg/L	5.00		98.3	85-115			
Magnesium	25.5	0.100	mg/L	25.0		102	85-115			
Manganese	2.43	0.020	mg/L	2.50		97.1	85-115			
Potassium	9.89	1.00	mg/L	10.0		98.9	85-115			
Sodium	4.01	1.00	mg/L	4.05		98.9	85-115			
Strontium	4.90	0.100	mg/L	5.00		97.9	85-115			
LCS Dup (B220970-BSD1)				Prepared: 04/18/22 Analyzed: 04/19/22						
Barium	2.43	0.020	mg/L	2.50		97.1	85-115	1.72	20	
Calcium	4.82	0.100	mg/L	5.00		96.5	85-115	2.34	20	
Iron	4.83	0.050	mg/L	5.00		96.6	85-115	1.73	20	
Magnesium	24.9	0.100	mg/L	25.0		99.7	85-115	2.15	20	
Manganese	2.41	0.020	mg/L	2.50		96.5	85-115	0.652	20	
Potassium	9.85	1.00	mg/L	10.0		98.5	85-115	0.416	20	
Sodium	3.94	1.00	mg/L	4.05		97.4	85-115	1.61	20	
Strontium	4.86	0.100	mg/L	5.00		97.3	85-115	0.670	20	

Green Analytical Laboratories

Debbie Zufelt

Debbie Zufelt, Reports Manager

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Cottonwood Consulting	Project: API - Classic	
PO Box 1653	Project Name / Number: Carson Unit 242 SWD	**Reported:**
Durango CO, 81302	Project Manager: Jake Harter	04/20/22 16:28

Notes and Definitions

J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
	*Results reported on as received basis unless designated as dry.
RPD	Relative Percent Difference
LCS	Laboratory Control Sample (Blank Spike)
RL	Report Limit
MDL	Method Detection Limit

Green Analytical Laboratories

Debbie Zufelt

Debbie Zufelt, Reports Manager

GAL Analytical Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(970) 247-4220
Fax: (970) 247-4227
service@greenanalytical.com or dzufelt@greenanalytical.com
75 Suttle St Durango, CO 81303

Company Name: Cottonwood Consulting
Project Manager: Jacob Harter
Address: PO Box 1653
City: Durango **State:** CO **Zip:** 81302
Phone #: (970) 946-3761 **Email:** jharter@cottonwoodconsulting.com
Additional Report To:
Project Name: Carson Unit 242 SWD
Project Number:
Sampler Name (Print): Jacob Harter

Bill to (if different):
P.O. #:
Company:
Attn:
Address:
City:
State: Zip:
Phone #:
Fax or Email:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample Name or Location	Collected Date	Collected Time	Matrix: GROUNDWATER	SURFACEWATER	WASTEWATER	PRODUCEDWATER	SOIL	OTHER :	# of containers: No preservation (general)	HNO_3	HCl	H_2SO_4	Other:	Other:	Other:	API Water (see attached former project Report)
2204-0801	Carson Unit 242 SWD API: 30-045-32447	4/5/22	1250				X			1	2						X

PLEASE NOTE: GAL's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by GAL within 30 days after completion. In no event shall GAL be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by GAL, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 4/5/22 Time: 1635	Received By: Linda Stamper
Relinquished By:	Date: Time:	Received By:
Relinquished By:	Date: Time:	Received By:

ADDITIONAL REMARKS: Report to State? (Circle) Yes (No)

Delivered By: (Circle One)
(Sampler) - UPS - FedEx - Kangaroo - Other:

Temperature at reciept: 22.4°C CHECKED BY:

Laser #2 on ice

† GAL cannot always accept verbal changes. Please fax or email written change requests.
* Chain of Custody must be signed in "Reliquished By:" as an acceptance of services and all applicable charges.

75 Suttle Street
Durango, CO 81303
970.247.4220 Phone
970.247.4227 Fax
www.greenanalytical.com

20 April 2022

Jake Harter
Cottonwood Consulting
PO Box 1653
Durango, CO 81302

RE: API - Classic

Enclosed are the results of analyses for samples received by the laboratory on 04/05/22 16:35. The data to follow was performed, in whole or in part, by Green Analytical Laboratories. Any data that was performed by a subcontract laboratory is included within the GAL report, or with an additional report attached.

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Sincerely,

Debbie Zufelt
Reports Manager

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www.GreenAnalytical.com

Cottonwood Consulting	Project: API - Classic	
PO Box 1653	Project Name / Number: Lybrook Yard WDW #1	**Reported:**
Durango CO, 81302	Project Manager: Jake Harter	04/20/22 16:25

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
Lybrook Yard WDW #1	2204067-01	Water	04/05/22 10:10	04/05/22 16:35	

Green Analytical Laboratories

Debbie Zufelt

Debbie Zufelt, Reports Manager

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www.GreenAnalytical.com

Cottonwood Consulting	Project: API - Classic	
PO Box 1653	Project Name / Number: Lybrook Yard WDW #1	**Reported:**
Durango CO, 81302	Project Manager: Jake Harter	04/20/22 16:25

Lybrook Yard WDW #1
API: 30-039-27533

2204067-01 (Produced Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
Alkalinity, Bicarbonate as CaCO3*	**650**	10.0	2.27	mg/L	5	04/11/22 09:00	2320 B		VJW
Alkalinity, Carbonate as CaCO3*	<10.0	10.0	2.27	mg/L	5	04/11/22 09:00	2320 B		VJW
Alkalinity, Hydroxide as CaCO3*	<10.0	10.0	2.27	mg/L	5	04/11/22 09:00	2320 B		VJW
Alkalinity, Total as CaCO3*	**650**	10.0	2.27	mg/L	5	04/11/22 09:00	2320 B		VJW
Chloride*	**19800**	500	15.2	mg/L	500	04/13/22 20:55	EPA300.0		AES
Conductivity*	**52100**	1.00		umho/cm @ 25.0°C	1	04/06/22 13:35	2510 B		VJW
pH*	**6.06**			pH Units	1	04/06/22 13:35	EPA150.1		VJW
pH Temperature, degrees C	**23.8**			pH Units	1	04/06/22 13:35	EPA150.1		VJW
Resistivity	**19.2**			ohm/cm	1	04/06/22 08:30	2510 B		VJW
Total Dissolved Solids*	**34000**	100		mg/L	10	04/08/22 10:40	EPA160.1		VJW
Specific Gravity	**1.023**	0.8000		No Unit	1	04/08/22 08:30	ASTM D1429-03		VJW
Sulfate*	<62.0	500	62.0	mg/L	500	04/13/22 20:55	EPA300.0		AES
Total Recoverable Metals by ICP (E200.7)									
Iron*	**464**	2.50	1.89	mg/L	50	04/13/22 13:59	EPA200.7		AES
Dissolved Metals by ICP									
Barium*	**20.1**	1.00	0.424	mg/L	50	04/19/22 11:18	EPA200.7		AES
Calcium*	**232**	5.00	1.18	mg/L	50	04/19/22 11:17	EPA200.7		AES
Hardness as CaCO3	**798**	33.1	9.28	mg/L	50	04/19/22 11:17	2340 B		AES
Iron*	**462**	2.50	1.78	mg/L	50	04/19/22 11:17	EPA200.7		AES
Magnesium*	**53.4**	5.00	1.54	mg/L	50	04/19/22 11:17	EPA200.7		AES
Manganese*	**3.65**	1.00	0.374	mg/L	50	04/19/22 11:17	EPA200.7		AES
Potassium*	**52.9**	50.0	3.25	mg/L	50	04/19/22 11:17	EPA200.7		AES
Sodium*	**11900**	50.0	5.28	mg/L	50	04/19/22 11:17	EPA200.7		AES
Strontium*	**52.5**	5.00	0.211	mg/L	50	04/19/22 11:17	EPA200.7		AES
Cation/Anion Balance	**-1.62**								

Green Analytical Laboratories

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Cottonwood Consulting	Project: API - Classic	
PO Box 1653	Project Name / Number: Lybrook Yard WDW #1	**Reported:**
Durango CO, 81302	Project Manager: Jake Harter	04/20/22 16:25

General Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B220884 - General Prep - Wet Chem										
Duplicate (B220884-DUP2)		**Source: 2204062-01**		Prepared & Analyzed: 04/06/22						
pH	7.64		pH Units		7.62			0.262	20	
pH Temperature, degrees C	17.2		pH Units		17.9			3.99	200	
Reference (B220884-SRM1)				Prepared & Analyzed: 04/06/22						
pH	7.01		pH Units	7.00		100	98.57-101.42			
Batch B220885 - General Prep - Wet Chem										
Duplicate (B220885-DUP2)		**Source: 2204062-01**		Prepared & Analyzed: 04/06/22						
Conductivity	743	1.00	umho/cm @ 25.0°C		735			1.08	20	
Reference (B220885-SRM1)				Prepared & Analyzed: 04/06/22						
Conductivity	1060	1.00	umho/cm @ 25.0°C	1000		106	90-110			
Batch B220901 - General Prep - Wet Chem										
Duplicate (B220901-DUP1)		**Source: 2204066-01**		Prepared & Analyzed: 04/08/22						
Specific Gravity	1.025	0.8000	No Unit		1.026			0.0975	20	
Batch B220902 - General Prep - Wet Chem										
Blank (B220902-BLK1)				Prepared & Analyzed: 04/08/22						
Total Dissolved Solids	ND	10.0	mg/L							
Duplicate (B220902-DUP1)		**Source: 2204034-01**		Prepared & Analyzed: 04/08/22						
Total Dissolved Solids	3590	10.0	mg/L		3620			0.831	20	
Reference (B220902-SRM1)				Prepared & Analyzed: 04/08/22						
Total Dissolved Solids	580	10.0	mg/L	560		104	85-115			
Batch B220911 - General Prep - Wet Chem										
Blank (B220911-BLK1)				Prepared & Analyzed: 04/11/22						
Alkalinity, Bicarbonate as CaCO3	ND	10.0	mg/L							
Alkalinity, Carbonate as CaCO3	ND	10.0	mg/L							
Alkalinity, Hydroxide as CaCO3	ND	10.0	mg/L							
Alkalinity, Total as CaCO3	ND	10.0	mg/L							
LCS (B220911-BS1)				Prepared & Analyzed: 04/11/22						

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Cottonwood Consulting	Project: API - Classic	
PO Box 1653	Project Name / Number: Lybrook Yard WDW #1	**Reported:**
Durango CO, 81302	Project Manager: Jake Harter	04/20/22 16:25

General Chemistry - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B220911 - General Prep - Wet Chem (Continued)										
LCS (B220911-BS1) (Continued)			Prepared & Analyzed: 04/11/22							
Alkalinity, Bicarbonate as CaCO3	95.0	10.0	mg/L	100		95.0	85-115			
Alkalinity, Carbonate as CaCO3	ND	10.0	mg/L				85-115			
Alkalinity, Hydroxide as CaCO3	ND	10.0	mg/L				85-115			
Alkalinity, Total as CaCO3	95.0	10.0	mg/L	100		95.0	85-115			
LCS Dup (B220911-BSD1)			Prepared & Analyzed: 04/11/22							
Alkalinity, Bicarbonate as CaCO3	94.0	10.0	mg/L	100		94.0	85-115	1.06	20	
Alkalinity, Carbonate as CaCO3	ND	10.0	mg/L				85-115		20	
Alkalinity, Hydroxide as CaCO3	ND	10.0	mg/L				85-115		20	
Alkalinity, Total as CaCO3	94.0	10.0	mg/L	100		94.0	85-115	1.06	20	
Batch B220944 - IC- Ion Chromatograph										
Blank (B220944-BLK1)			Prepared & Analyzed: 04/13/22							
Chloride	ND	1.00	mg/L							
Sulfate	ND	1.00	mg/L							
LCS (B220944-BS1)			Prepared & Analyzed: 04/13/22							
Chloride	25.0	1.00	mg/L	25.0		99.9	90-110			
Sulfate	24.8	1.00	mg/L	25.0		99.0	90-110			
LCS Dup (B220944-BSD1)			Prepared & Analyzed: 04/13/22							
Chloride	24.9	1.00	mg/L	25.0		99.8	90-110	0.0681	20	
Sulfate	25.1	1.00	mg/L	25.0		100	90-110	1.40	20	

Total Recoverable Metals by ICP (E200.7) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B220910 - Total Recoverable by ICP										
Blank (B220910-BLK1)			Prepared: 04/11/22 Analyzed: 04/12/22							
Iron	ND	0.050	mg/L							
LCS (B220910-BS1)			Prepared: 04/11/22 Analyzed: 04/12/22							
Iron	2.08	0.050	mg/L	2.00		104	85-115			
LCS Dup (B220910-BSD1)			Prepared: 04/11/22 Analyzed: 04/12/22							
Iron	2.06	0.050	mg/L	2.00		103	85-115	1.19	20	

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Cottonwood Consulting	Project: API - Classic	
PO Box 1653	Project Name / Number: Lybrook Yard WDW #1	**Reported:**
Durango CO, 81302	Project Manager: Jake Harter	04/20/22 16:25

Dissolved Metals by ICP - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B220970 - Dissolved ICP										
Blank (B220970-BLK1)				Prepared: 04/18/22 Analyzed: 04/19/22						
Barium	ND	0.020	mg/L							
Calcium	ND	0.100	mg/L							
Iron	ND	0.050	mg/L							
Magnesium	ND	0.100	mg/L							
Manganese	ND	0.020	mg/L							
Potassium	ND	1.00	mg/L							
Sodium	ND	1.00	mg/L							
Strontium	ND	0.100	mg/L							
LCS (B220970-BS1)				Prepared: 04/18/22 Analyzed: 04/19/22						
Barium	2.47	0.020	mg/L	2.50		98.8	85-115			
Calcium	4.94	0.100	mg/L	5.00		98.8	85-115			
Iron	4.91	0.050	mg/L	5.00		98.3	85-115			
Magnesium	25.5	0.100	mg/L	25.0		102	85-115			
Manganese	2.43	0.020	mg/L	2.50		97.1	85-115			
Potassium	9.89	1.00	mg/L	10.0		98.9	85-115			
Sodium	4.01	1.00	mg/L	4.05		98.9	85-115			
Strontium	4.90	0.100	mg/L	5.00		97.9	85-115			
LCS Dup (B220970-BSD1)				Prepared: 04/18/22 Analyzed: 04/19/22						
Barium	2.43	0.020	mg/L	2.50		97.1	85-115	1.72	20	
Calcium	4.82	0.100	mg/L	5.00		96.5	85-115	2.34	20	
Iron	4.83	0.050	mg/L	5.00		96.6	85-115	1.73	20	
Magnesium	24.9	0.100	mg/L	25.0		99.7	85-115	2.15	20	
Manganese	2.41	0.020	mg/L	2.50		96.5	85-115	0.652	20	
Potassium	9.85	1.00	mg/L	10.0		98.5	85-115	0.416	20	
Sodium	3.94	1.00	mg/L	4.05		97.4	85-115	1.61	20	
Strontium	4.86	0.100	mg/L	5.00		97.3	85-115	0.670	20	

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Cottonwood Consulting	Project: API - Classic	
PO Box 1653	Project Name / Number: Lybrook Yard WDW #1	**Reported:**
Durango CO, 81302	Project Manager: Jake Harter	04/20/22 16:25

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
	*Results reported on as received basis unless designated as dry.
RPD	Relative Percent Difference
LCS	Laboratory Control Sample (Blank Spike)
RL	Report Limit
MDL	Method Detection Limit

Green Analytical Laboratories

Debbie Zufelt

Debbie Zufelt, Reports Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Green Analytical Laboratories
(970) 247-4220
Fax: (970) 247-4227
service@greenanalytical.com or dzufelt@greenanalytical.com
75 Suttle St Durango, CO 81303

Company Name: Cottonwood Consulting	Bill to (if different):
Project Manager: Jacob Harter	P.O. #:
Address: PO Box 1653	Company:
City: Durango **State:** CO **Zip:** 81302	Attn:
Phone #: (970) 946-3761 **Email:** jharter@cottonwoodconsulting.com	Address:
Additional Report To:	City:
Project Name: Lybrook Yard WDW #1	State: Zip:
Project Number:	Phone #:
Sampler Name (Print): Jacob Harter	Fax or Email:

FOR LAB USE ONLY Lab I.D.	Sample Name or Location	Collected Date	Collected Time	Matrix (check one): GROUNDWATER	SURFACEWATER	WASTEWATER	PRODUCEDWATER	SOIL	OTHER :	# of containers: No preservation (general)	HNO_3	HCl	H_2SO_4	Other:	Other:	Other:	ANALYSIS REQUEST: API Water (see attached from project Report)
2204-0670 1	Lybrook Yard WDW #1 API 30-039-27533	4/5/22	1010				X			1	2						X

PLEASE NOTE: GAL's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by GAL within 30 days after completion. In no event shall GAL be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by GAL, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: Jacob Harter	**Date:** 4/5/22 **Time:** 1635	Received By: Linda Stumpf	ADDITIONAL REMARKS: Report to State? (Circle) Yes (No)
Relinquished By:	Date: Time:	Received By:	
Relinquished By:	Date: Time:	Received By:	
Delivered By: (Circle One) (Sampler) UPS - FedEx - Kangaroo - Other:	Temperature at reciept: 22.4°C	CHECKED BY:	on Ice Laser #2

† GAL cannot always accept verbal changes. Please fax or email written change requests.
* Chain of Custody must be signed in "Reliquished By:" as an acceptance of services and all applicable charges.

Enduring Resources, LLC
Application For Authorization to Inject
ACU SWD #001

ITEM VIII – GEOLOGIC DATA ON INJECTION ZONE

The proposed injection interval is the Entrada Sandstone; Entrada (96436) pool. The Entrada formation underlies the Todilto formation. The Entrada is described as a fine to very fine-grained sandstone with fair to good porosity and permeability. The Entrada Sandstone is a very porous and permeable aeolian sandstone and is widely used as an injection zone in this region of the San Juan Basin. The top of the Entrada is at 7086' TVD. Bottom of the closest overlying productive formation (Dakota) is at 6111'. There will be 975' between the highest perforation and the bottom of the Dakota formation. There is no underlying productive formation within at least 12 miles of the proposed well.

The following table identifies the geologic markers and projected formation tops (depth in feet from surface) based on open hole logs from offset wells in the area.

FORMATION TOPS	TVD (ft SS)	TVD (ft KB)	O / G / W	Pressure
Ojo Alamo	6,045	941	W	normal
Kirtland	5,980	1,006	W	normal
Fruitland	5,785	1,201	G, W	sub
Pictured Cliffs	5,510	1,476	G, W	sub
Lewis	5,385	1,601	G, W	normal
Chacra	5,110	1,876	G, W	normal
Cliff House	4,040	2,946	G, W	sub
Menefee	3,990	2,996	G, W	normal
Point Lookout	3,130	3,856	G, W	normal
Mancos	2,950	4,036	O,G, W	normal
MNCS_G	1,995	4,991	O,G, W	normal
Basal Niobrara Unconformity	1,850	5,136	O,G, W	normal
Juana Lopez	1,540	5,446	O,G, W	normal
Greenhorn Limestone	1,160	5,826	O,G, W	normal
Graneros	1,120	5,866	O,G, W	normal
Dakota	1,075	5,911	O,G, W	normal
Burro Canyon Fm	875	6,111		
Morrison	775	6,211	O,G, W	normal
Bluff Ss Member	480	6,506		normal
Salt Wash Basin Member	180	6,806		normal
Smallville	-5	6,991		normal
Todilto	-80	7,066	O,G, W	normal
Entrada	-100	7,086	O,G, W	normal
Chinle	-330	7,316		
Rat Hole	350			
TD		7,666		

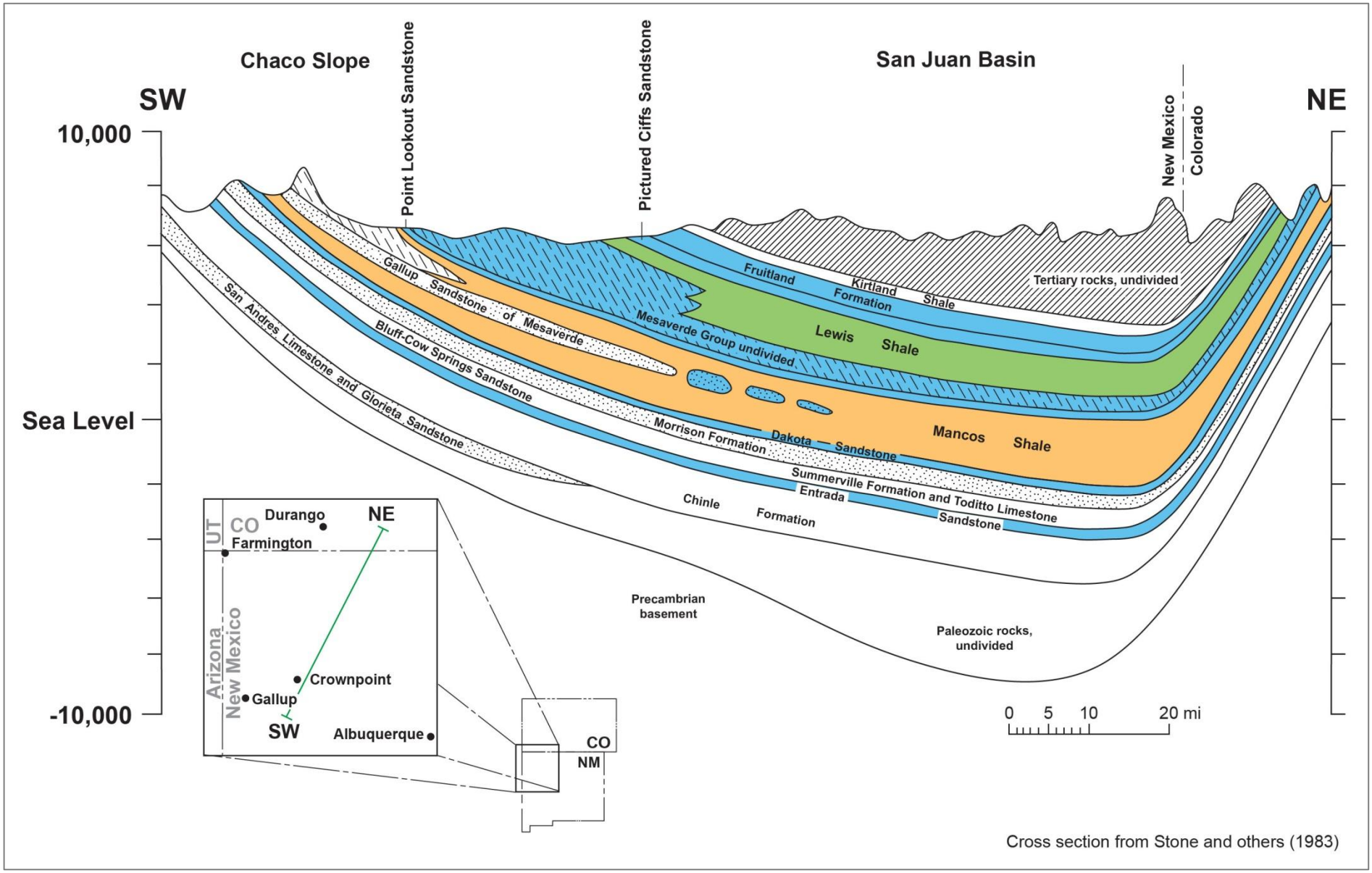

Figure 4. Southwest-northeast structural cross section through San Juan Basin. Mancos Shale is shown in orange. Major productive non-Mancos strata are blue. Modified from Stone et al. (1983).

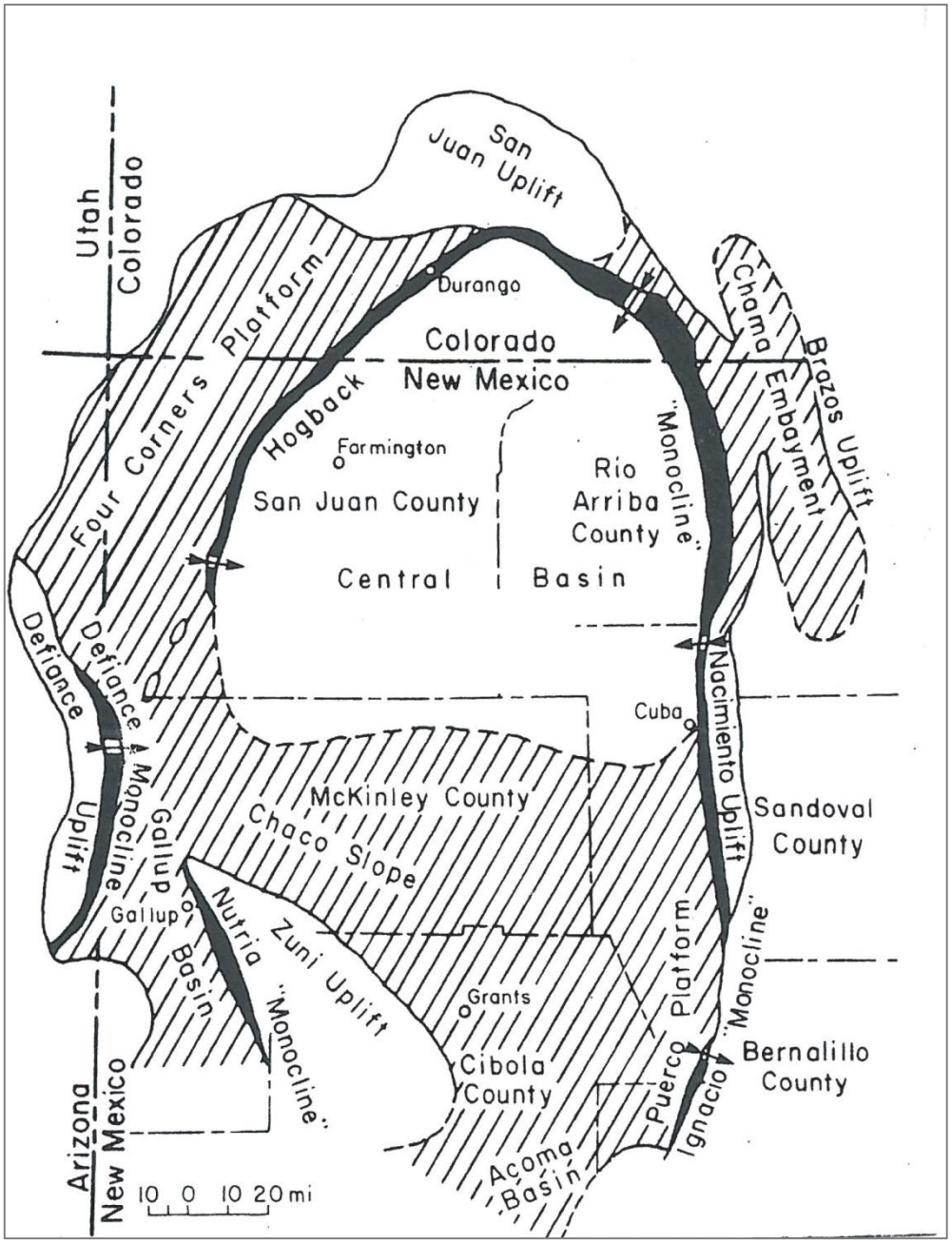

Figure 3. Tectonic map of San Juan Basin (from Stone et al. 1983).

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Application For Authorization to Inject
ACU SWD #001

Seals

The proposed injection interval is the Middle Jurassic Entrada formation and is stratigraphically located 6,579 feet below the Tertiary Ojo Alamo, Nacimiento and San Jose freshwater aquifers. The Middle Jurassic Entrada is primarily eolian dune sandstones varying in thickness. The Entrada is most often water-bearing but does not economically produce oil. The Upper Triassic Chinle formation
unconformably underlies the Entrada formation throughout the San Juan Basin and consists of primarily shales with minor interbeds of sandstone and siltstone. The Chinle is basically impervious to fluids. The Entrada formation is overlain by the Todilto sealing limestone, anhydrite and shale. Above the Todilto is the Summerville shale. Both the Summerville and Todilto are thin on top of the Entrada dune build-ups and thicken in areas where the Entrada dunes thin. The Bluff formation is not well developed in this location, so it is a better seal due to the lack of well-developed sandstone. For the most part the Morrison formation is a seal. The thin, interbedded sandstones are tight and yield very little, if any, water or hydrocarbons. The Lower Cretaceous Burro Canyon formation consists of primarily clayey
sandstones, which are mostly water-bearing in the immediate area. The Upper Cretaceous Dakota formation and Graneros formation are comprised of interbedded sandstones and shales with minor coals. The Dakota and Graneros are continuous and hydrocarbon productive. Lack of production is usually due to lack of porosity and permeability, not due to water occurrences. Above the Graneros is the Greenhorn Limestone, which consists of thinly interbedded organic shales and shaley limestone. The Greenhorn is more a hydrocarbon source rock and seal than it is a viable reservoir. The overlying Lower Mancos Shale is a definite seal rock. The Juana Lopez is a regional stratigraphic marker like the Greenhorn. It is a sequence of slightly sandy, shaley and calcareous siltstone that is not a commercial
reservoir. The Gallup formation is a sequence of very thinly interbedded organic shales, sandy shales and shaley sandstones. When the Tocito sandstone, which has matrix porosity, is absent as it is in the area around the proposed well, the Gallup is only hydrocarbon productive when fractured. The fractures die out upward near the top of the Gallup into the overlying Upper Mancos Shale. The Upper Mancos Shale is a definite seal rock because it rarely yields hydrocarbon shows and is non-productive. The Mesaverde formation in this area and is either tight or yields salt water and minor gas. To the northwest, the Mesaverde formation is one of the major hydrocarbon producing zones in the San Juan Basin. Above the Mesaverde is the Chacra member of the Lewis shale. The Chacra is predominantly shale with only tens of feet of interbedded tight sandstone and is definitely a seal in this part of the basin. The Lewis Shale overlies the Chacra and is a possible hydrocarbon source rock and a seal. Above the Lewis Sale is the Pictured Cliffs formation. The Pictured Cliffs is usually gas-productive or tight and is rarely water bearing. In this southeast portion of the San Juan Basin, the Fruitland formation consists interbedded coals, shales and minor sandstones. The Fruitland produces neither gas nor water in the area, so is in effect a good seal. The non-marine Kirtland Shales has minor interbeds of fluvial sandstones that are basically tight and sealing. The Tertiary Ojo Alamo and Nacimiento formations are mostly freshwater bearing but do produce some gas. The Nacimiento and San Jose formations are comprised of interbedded lenticular sandstones and non-marine shales.

Regional Flow

The San Juan Basin is an asymmetric northwest trending structural depression located on the eastern edge of the Colorado Plateau in northern New Mexico. The San Juan Basin contains a thick sequence of sedimentary rocks ranging in age from Cambrian through Tertiary. The Entrada Sandstone is a late Jurassic formation. The proposed ACU SWD #001 is located in the central west portion of the basin and intercepts the Entrada Formation approximately 6,579 feet beneath ground surface. The hydrologic properties, regional flow patterns, and water quality do not vary significantly from unit to unit within the San Juan Basin. Regional flow within the basin as occurring from elevated recharge areas on the basin margin toward discharge areas along the San Juan River in the northwest and along the Rio Puerco in the southeast. They also state that vertical flow occurs across unit boundaries and along geologic structures within the basin.

Literature Cited: Hydrology and Water Resources of San Juan Basin, Stone et.al. 1983.

The following table identifies the geologic markers and projected formation tops (depth in feet from surface) based on open hole logs from offset wells in the area.

ITEM IX – PROPOSED STIMULATION PROGRAM

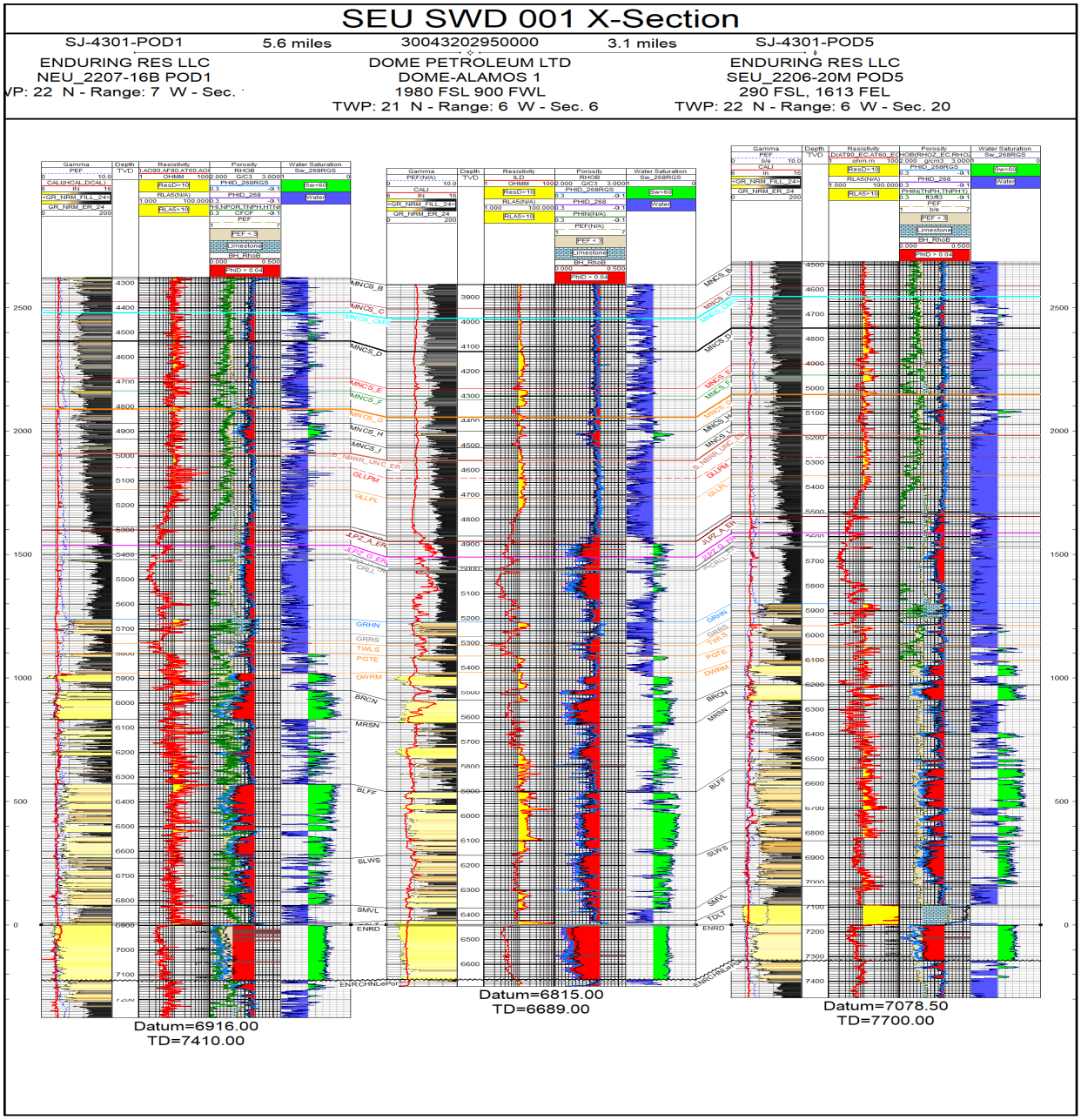
Upon approval of this application, an injection test will be conducted. If rates are found to be inadequate, it may be necessary to stimulate the Entrada Sandstone or perforate additional zones in the well.

Any changes to the plans contained herein will be approved by the New Mexico Oil Conservation Division prior to implementation

Enduring Resources, LLC
Application For Authorization to Inject
ACU SWD #001

ITEM X – LOGGING AND TEST DATA

A triple combo log will be done from total depth to surface.
All logs and test data for the proposed ACUSWD #001 will be submitted to the NMOCD.



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Application For Authorization to Inject
ACU SWD #001

Main Pass:
TD to casing shoe (900 fph)

- Density-Neutron in 'Very High Res" M ode. NPRM set to 2-inches.

Confirm high-res channels are displayed properly on field prints

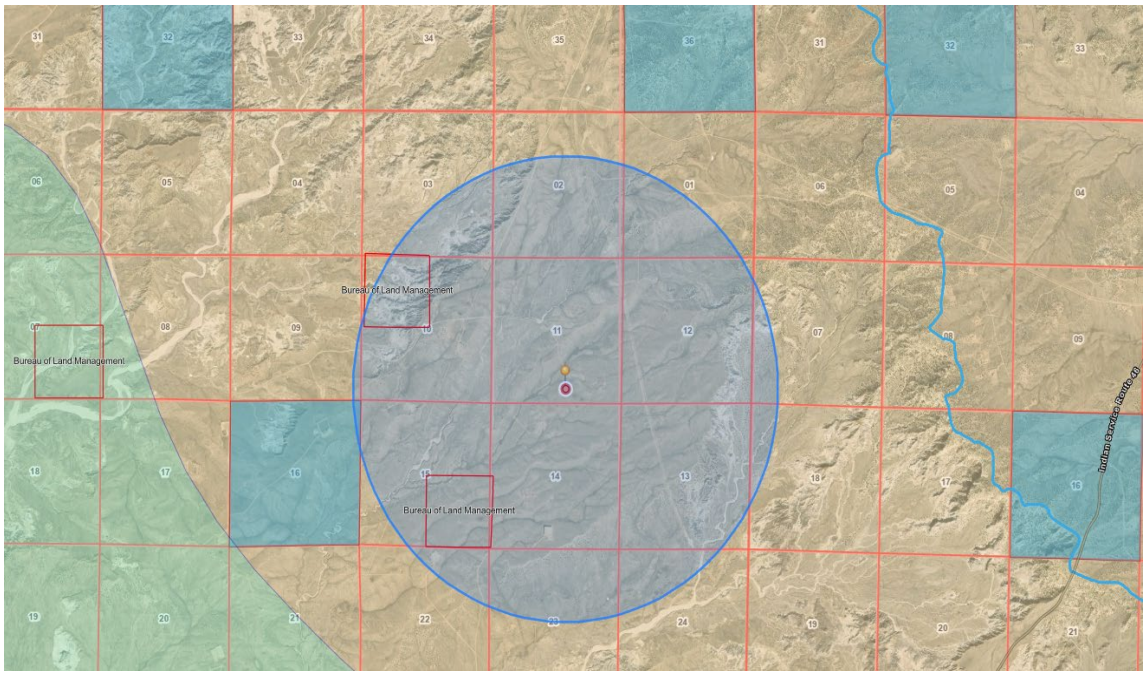
- Stream PDF for all tools with QC formats in real time to lnterACT.
- Leave field print with borehole caliper and cement volume calculations with company man.

Repeat Pass:
*Target Interval from JPLZ to Mancos -around 4000 feet to 5500 feet) (4 50 fph)

- Density-Neutron in 'Very High Res" Mode. NPRM set to 2-inches
- Stream PDF for all tools with QC formats in real time to lnterACT

Enduring Resources, LLC
Application For Authorization to Inject
ACU SWD #001

ITEM XI – ANALYSIS OF FRESH WATER



Point of Diversion data obtained from the New Mexico Office of the State Engineer indicates there are no freshwater wells completed within a 1-mile radius of the area of interest. The Entrada interval at this location and depth is not reasonably expected to supply any type of freshwater systems. The more shallower options that exist are currently in limited use at depths of 900' or less in the San Jose Sandstone interval.

There are no freshwater wells within a one-half mile radius of the proposed ACU SWD #1.
There are no freshwater wells within a one mile radius of the proposed ACU SWD #1.
There are no freshwater wells completed in shallow groundwater intervals within the AOR.

Enduring Resources, LLC
Application For Authorization to Inject
ACU SWD #001

The nearest POD is a distance of ≥2.29 miles of the proposed ACU SWD #1. This well is known as the NEU 2207-16B WSW (SJ 04301 POD1) and is operated by *Enduring Resources LLC.*
The NEU 2207-16B sources brine water from the Entrada Sandstone Formation for use in oil recovery operations.

POD No	Distance (miles)
SJ 04301 POD1	2.29
SJ 04301 POD5	4.61
LWD 00014 POD1	4.65
LWD 00013 POD1	4.71
SJ 00681 10	4.79
SJ 02989	5.53
SJ 02988	5.53
SJ 02235	5.7
SJ 02455	5.88
SJ 04348 POD1	5.95
SJ 00681 9	5.95
LWD 00012 POD1	6.04
SJ 04379 POD1	6.47
SJ 00949 -S	6.47
SJ 00681 27	6.66
SJ 04054 POD1	6.92
SJ 04335 POD1	7.16
SJ 00949	7.18
SJ 00949 EXPL	7.18
SJ 02508	7.33
SJ 02233	7.41
SJ 00681 11	7.49
SJ 01156	7.51
SJ 01507	7.59
SJ 00681 26	7.65
SJ 01506	7.65
SJ 04346 POD1	7.83
SJ 00948	8.06
SJ 00948 EXPL	8.06
SD 07164 POD1	8.46
SJ 00681 28	8.56
SJ 01400	8.71
SJ 01824	8.92
SJ 03562	8.92
SJ 00681 8	9.19

Enduring Resources, LLC
Application For Authorization to Inject
ACU SWD #001

ITEM XII – AFFIRMATIVE STATEMENT

I have examined available geologic and engineering data and found no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.

Raffaello Sacerdoti

6/16/2026
Date

Project: *Enduring Resources, LLC*
ACU SWD #1

Enduring Resources, LLC
Application For Authorization to Inject
ACU SWD #001

ITEM XIII – PROOF OF NOTIFICATION

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
CASE RECORDATION
Serial Register Page
NMNM105505057

Authority	Total Acres	Serial Number
02-25-1920; 041STAT0437; 30USC181, ET SEQ; MINERAL LEASING ACT OF 1920	1,400.0000	NMNM105505057
	Agreement Acres / Participating Area	Legacy Serial No
	0.0000 / 0.0000	NMNM 0554433

Product Type: 311211 O&G SIMULTANEOUS PUBLIC DOMAIN LEASE
Commodity: Oil & Gas
Case Disposition: AUTHORIZED
Case File Jurisdiction: -
07/17/1964

CASE DETAILS NMNM105505057

MLRS Case Ref	C-7996805				
Case Name					
Unit Agreement					
		Split Estate		Fed Min Interest	
Effective Date	08/01/1964	Split Estate Acres		Future Min Interest	No
Expiration Date		Royalty Rate	12.5%	Future Min Interest Date	
Land Type	Public Domain	Royalty Rate Other		Acquired Royalty Interest	
Formation Name		Approval Date		Held In a Producing Unit	No
Parcel Number	SPAR57	Sale Date		Number of Active Wells	
Parcel Status		Sales Status		Production Status	Held by Actual
		Total Bonus Amount	0.00		
Related Agreement		Tract Number		Lease Suspended	No
Application Type		Fund Code	145003	Total Rental Amount	

CASE CUSTOMERS NMNM105505057

Name & Mailing Address			Interest Relationship	Percent
DJR NOMINEE	6300 S SYRACUSE WAY STE 525	CENTENNIAL CO 80111	OPERATING RIGHTS	0.0000
DUGAN PRODUCTION	PO BOX 420	FARMINGTON NM 87499	LESSEE	0.0000
DUGAN PRODUCTION	PO BOX 420	FARMINGTON NM 87499	OPERATING RIGHTS	0.0000
ENDURING RESOURCES IV	6300 S SYRACUSE WAY STE 525	CENTENNIAL CO 80111	OPERATING RIGHTS	0.0000
ENDURING RESOURCES IV	6300 S SYRACUSE WAY STE 525	CENTENNIAL CO 80111	LESSEE	0.0000
M & M PRODUCTION &	5006 SANDALWOOD DR	FARMINGTON NM 87402-	OPERATING RIGHTS	0.0000
OVINTIV USA INC	4 WATERWAY SQUARE PL STE	THE WOODLANDS TX	OPERATING RIGHTS	0.0000
WPX ENERGY	333 WEST SHERIDAN AVE.	OKLAHOMA CITY OK	OPERATING RIGHTS	0.0000
XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX XX XXXXX-	OPERATING RIGHTS	0.0000
XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX XX XXXXX-	OPERATING RIGHTS	0.0000

Enduring Resources, LLC
Application For Authorization to Inject
ACU SWD #001

ACTIVE LAND RECORDS NMNM105505057

Mer	Twp	Rng	Sec	Survey	Survey	Subdivisio	Land Status	District / Field	County	Mgmt Agency
23	0220N	0060W	009	Aliquot		E2SW,SE	Migrated - Existing	FARMINGTON DISTRICT OFFICE	SANDOVAL	BUREAU OF LAND MGMT,
23	0220N	0070W	011	Aliquot		SE	Migrated - Existing	FARMINGTON DISTRICT OFFICE	SANDOVAL	BUREAU OF LAND MGMT
23	0220N	0070W	012	Aliquot		N2	Migrated - Existing	FARMINGTON DISTRICT OFFICE	SANDOVAL	BUREAU OF LAND MGMT
23	0220N	0070W	013	Aliquot		W2NW,SW	Migrated - Existing	FARMINGTON DISTRICT OFFICE	SANDOVAL	BUREAU OF LAND MGMT,
23	0220N	0070W	014	Aliquot		E2	Migrated - Existing	FARMINGTON DISTRICT OFFICE	SANDOVAL	BUREAU OF LAND MGMT
23	0220N	0070W	023	Aliquot		NWSE,S2SE	Migrated - Existing	FARMINGTON DISTRICT OFFICE	SANDOVAL	BUREAU OF LAND MGMT

INACTIVE LAND RECORDS NMNM105505057
(No Records Found)

Mer	Twp	Rng	Sec	Survey	Survey	Subdivisio	Land Status	District / Field	County	Mgmt Agency

ASSOCIATED AGREEMENT OR LEASE (RECAPITULATION TABLE) INFO NMNM105505057

Agreement Serial Number	Agreement Legacy Serial	Case Disposition	Product Name	Tract No	Commitment	Commitment Status	Acres	Allocation Percent
NMNM10572149	NMNM 130812X	AUTHORIZED	O&G INDIAN EXPLORATORY	01	Fully Committed	08/01/1964	80.0000	1.638000
NMNM10636694		AUTHORIZED		10	Fully Committed	08/01/1964	240.0000	4.048800
NMNM10636694		AUTHORIZED		10A	Fully Committed	08/01/1964	160.0000	2.699200
NMNM10636694		AUTHORIZED		10C	Fully Committed	08/01/1964	560.0000	9.447300
NMNM10636694		AUTHORIZED		10B	Fully Committed	08/01/1964	320.0000	5.398500

PARTICIPATING AREA NMNM105505057

Participating Area	Legacy Serial Number	Case Disposition	Effective Date	Tract Number	Tract Commitment
NMNM105695663	NMNM 130812A	AUTHORIZED	11/06/2018	01	Fully Committed

Enduring Resources, LLC
Application For Authorization to Inject
ACU SWD #001

AFFECTED PARTIES LIST

ALL AFFECTED PARTIES ARE PROVIDED A NOTICE LETTER VIA US CERTIFIED MAIL
AFFECTED PARTIES MAY ALSO REQUEST A PDF COPY SENT VIA EMAIL

"AFFECTED PERSON" MEANS THE DIVISION DESIGNATED OPERATOR; IN THE ABSENCE OF AN OPERATOR, A LESSEE WHOSE INTEREST IS EVIDENCE BY A WRITTEN CONVEYANCE DOCUMENT EITHER OF RECORD OR KNOWN TO THE APPLICANT AS OF THE DATE THE APPLICANT FILES THE APPLICATION; OR IN THE ABSENCE OF AN OPERATOR OR LESSEE, A MINERAL INTEREST OWNER WHOSE INTEREST IS EVIDENCED BY A WRITTEN CONVEYANCE DOCUMENT EITHER OF RECORD OR KNOWN TO THE APPLICANT AS OF THE DATE THE APPLICANT FILED THE APPLICATION FOR PERMIT TO INJECT PER OCD RULES NMAC 19.15.26.7, A. AND 19.15.26.8, B.2.

SURFACE OWNER

NOTICE #	ENTITY	US CERTIFIED TRACKING
1	**U.S. DEPARTMENT OF INTERIOR** Bureau of Land Management Farmington Field Office 6251 College Boulevard, Ste. A Farmington, NM 87402	**7008 1140 0004 7860**

LESSEES / OPERATING RIGHTS

2	**DJR NOMINEE** 200 Energy Court Farmington, NM 87401	*Subsidiary Enduring Resources*
3	**DUGAN PRODUCTION CORP** PO Box 420 Farmington, NM 87499	**7008 1140 0004 7860 6112**
4	**M & M PRODUCTION & OPERATING** 5006 Sandalwood Drive Farmington, NM 87402	**7008 1140 0004 7860 6129**
5	**OVINTIV USA INC** 370 17TH Street Suite 1700 Denver, CO 80202	**7008 1140 0004 7860 6136**
6	**WPX ENERGY** P.O. Box 640 Aztec, NM 87410	**7008 1140 0004 7860 6143**

Enduring Resources, LLC
Application For Authorization to Inject
ACU SWD #001

LESSEES (Without operated wells on lease)

7	**HICKS OIL & GAS INC** P.O. Drawer 3307 Farmington, NM 87499	**7008 1140 0004 7860 6150**

REGULATORY

8	**NM OIL CONSERVATION DIVISION** 1220 S. St. Francis Drive Santa Fe, NM 87505	*Filed via OCD Online e-Permitting*
9	**NM STATE LAND OFFICE** Commissioner of Public Lands Oil, Gas and Minerals Division 310 Old Santa Fe Trail Santa Fe, NM 87501	**7008 1140 0004 7860 6174**

Enduring Resources, LLC
Application For Authorization to Inject
ACU SWD #001

June 17, 2026

NOTIFICATION TO INTERESTED PARTIES
Via U.S. Certified Mail – Return Receipt Requested

To Whom It May Concern:
Enduring Resources, LLC, Farmington, New Mexico, has made application to the New Mexico Oil Conservation Division to permit for saltwater disposal the ACU SWD #1. The SWD operation will be for the disposal of produced water by means of underground injection from area production. As indicated in the notice below, the well is located in Section 11, Township 22 North, Range 7 West in Sandoval County, New Mexico.

The published notice states the injection interval will be from 7086' to 7316' in the Entrada Sandstone formation. Following are the notices published in the Rio Grande Sun, Rio Arriba County, New Mexico on June 4, 2026 and in the Durango Herald, San Juan County, New Mexico on May 29, 2026.

LEGAL NOTICE
Enduring Resources LLC located at 200 Energy Court, Farmington, NM is hereby making an application for administrative approval to drill, construct and operate a closed system UIC Class II saltwater disposal well known as the ACU SWD #001 located 537' FSL by 2281' FEL, SEC11T22NR07W, Sandoval County, NM. The source of the injectate will be from nearby oil and gas wells operated by Enduring. The primary injection target is anticipated to be between 7086' to 7316' within the Entrada Sandstone formation. The planned maximum daily injection rate will be 12,000 bwpd. The anticipated maximum surface injection pressure will be 1492 psig. Any interested parties must file objections or requests for hearing with the New Mexico Oil Conservation Division, 1220 South St. Frances Drive, Santa Fe, NM 87505 within 15 days of the date of this publication.

Interested parties wishing to object to the proposed application must file with the New Mexico Oil Conservation Division, 1220 St. Francis Dr., Santa Fe, NM 87505 within 15 days of the date of this notice.

You have been identified as a party who may be interested as an offset lessee or operator.

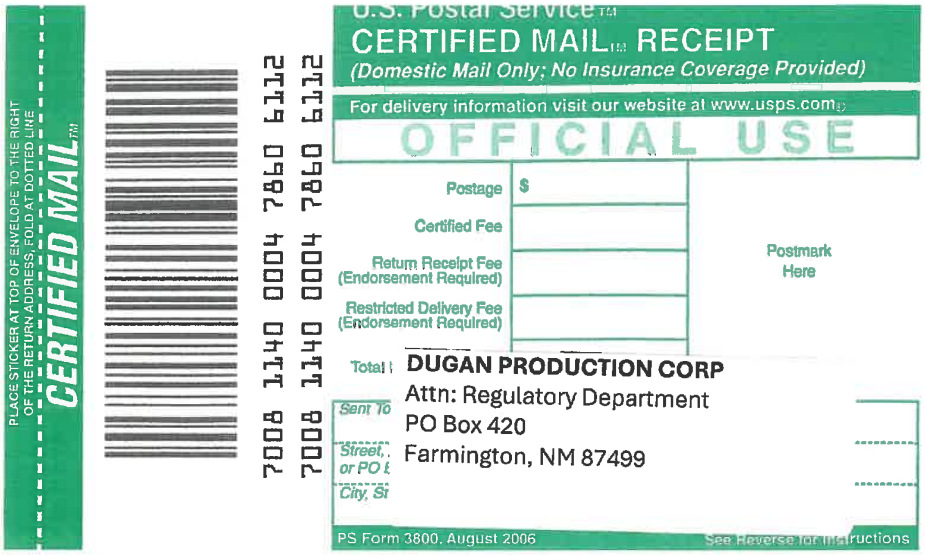
You are entitled to a full copy of the application. Affected parties may also request a PDF copy sent via email. Additional information can also be obtained by contacting Dave Brown, Regulatory Manager at Enduring Resources, LLC (303) 887-3695 or email dbrown@enduringresources.com.
Thank you for your attention to this matter.

Best regards,

Shaw-Marie Ford
Shaw-Marie Ford
Regulatory Specialist
Enduring Resources, LLC

Enduring Resources, LLC
Application For Authorization to Inject
ACU SWD #001

PROOF OF NOTICE (Certified Mail Receipts)



PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT OF THE RETURN ADDRESS, FOLD AT DOTTED LINE

CERTIFIED MAIL™

7008 1140 0004 7860 6112

U.S. Postal Service™

CERTIFIED MAIL™ RECEIPT

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For delivery information visit our website at www.usps.com®

OFFICIAL USE

Postage $

Certified Fee

Return Receipt Fee (Endorsement Required)

Restricted Delivery Fee (Endorsement Required)

Postmark Here

Total Postage

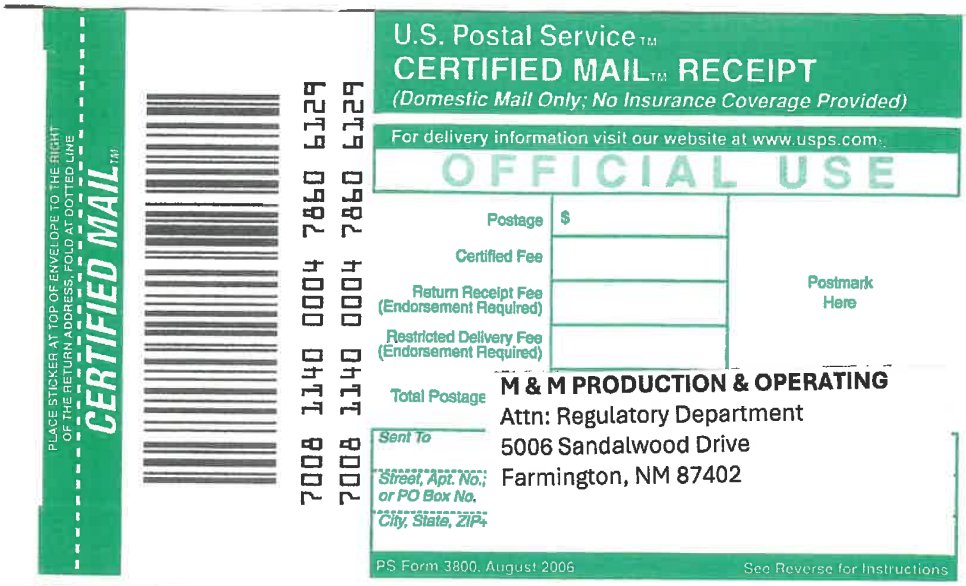
Sent To **DUGAN PRODUCTION CORP**

Street, Apt. No.; or PO Box No. Attn: Regulatory Department

City, State, ZIP+ PO Box 420

Farmington, NM 87499

PS Form 3800, August 2006 See Reverse for Instructions



PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT OF THE RETURN ADDRESS, FOLD AT DOTTED LINE

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Restricted Delivery Fee (Endorsement Required)

Postmark Here

Total Postage

Sent To **M & M PRODUCTION & OPERATING**

Street, Apt. No.; or PO Box No. Attn: Regulatory Department

City, State, ZIP+ 5006 Sandalwood Drive

Farmington, NM 87402

PS Form 3800, August 2006 See Reverse for Instructions

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Return Receipt Fee (Endorsement Required)

Restricted Delivery Fee (Endorsement Required)

Postmark Here

Total Postage

Sent To **OVINTIV USA INC**

Street, Apt. No.; or PO Box No. Attn: Regulatory Department

City, State, ZIP+ 370 17TH Street Suite 1700

Denver, CO 80202

PS Form 3800, August 2006 See Reverse for Instructions

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT OF THE RETURN ADDRESS, FOLD AT DOTTED LINE

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Certified Fee

Return Receipt Fee (Endorsement Required)

Restricted Delivery Fee (Endorsement Required)

Total Postage

Postmark Here

Sent To **WPX ENERGY**

Street, Apt. or PO Box Attn: Regulatory Department

P.O. Box 640

City, State, Aztec, NM 87410

PS Form 3800, August 2006 See Reverse for Instructions

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT OF THE RETURN ADDRESS, FOLD AT DOTTED LINE

CERTIFIED MAIL™

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U.S. Postal Service™

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Certified Fee

Return Receipt Fee (Endorsement Required)

Restricted Delivery Fee (Endorsement Required)

Total

Postmark Here

Sent To **HICKS OIL & GAS INC**

Street, or PO B P.O. Drawer 3307

City, St Farmington, NM 87499

PS Form 3800, August 2006 See Reverse for Instructions

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT OF THE RETURN ADDRESS, FOLD AT DOTTED LINE

CERTIFIED MAIL™

7008 1140 0004 7860 6167

U.S. Postal Service™

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For delivery information visit our website at www.usps.com®

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Postage $

Certified Fee

Return Receipt Fee (Endorsement Required)

Restricted Delivery Fee (Endorsement Required)

Total Pos

Postmark Here

Sent To **U.S. DEPARTMENT OF INTERIOR**

Street, Apt. or PO Box Bureau of Land Management

Farmington Field Office

City, State, 6251 College Boulevard, Ste. A

Farmington, NM 87402

PS Form 3800, August 2006 See Reverse for Instructions

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT OF THE RETURN ADDRESS, FOLD AT DOTTED LINE

CERTIFIED MAIL™

7008 1140 0004 7860 6174

7008 1140 0004 7860 6174

U.S. Postal Service™

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(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com®

OFFICIAL USE

Postage	$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total P	

Postmark Here

Sent To **NM STATE LAND OFFICE**

Street, A or PO Bo Commissioner of Public Lands

Oil, Gas and Minerals Division

310 Old Santa Fe Trail

City, Stat Santa Fe, NM 87501

PS Form 3800, August 2006 See Reverse for Instructions

Enduring Resources, LLC
Application For Authorization to Inject
ACU SWD #001

AFFIDAVIT OF PUBLIC NOTICE

Durango Herald

Rio Grande Sun

BALLANTINE COMMUNICATIONS

AFFIDAVIT OF PUBLICATION

STATE OF NEW MEXICO

County of San Juan

Odette Zerwas, the undersigned, authorized Representative of the Tri-City Record, on oath states that this newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Session Law of 1937, that payment therefore has been made of assessed as court cost; and that the notice, copy of which is hereto attached, was published in said paper in the regular daily edition, for 1 time(s) on the following date(s):

5/29/2026

Sworn and subscribed before me, a notary public in and for the county of La Plata and the State of Colorado, 6/1/26

Notary Public

PRICE: 70.05

Statement to come at the end of the month.

ACCOUNT NUMBER: 112993

KARI E PATHUIS
Notary Public
State of Colorado
Notary ID # 20254043032
My Commission Expires 11-20-2029

COPY OF ADVERTISEMENT

35219

Enduring Resources, LLC is hereby making an application for administrative approval to drill, construct and operate a closed system saltwater disposal well known as the ACU SWD #001 for the purpose of injection of UIC Class II fluid or oil field waste as defined in 19.15.2.7(E)(6) NMAC. The planned ACU SWD #1 is staked at 537' FSL & 2281' FEL Sec.11, T22N, R7W, Sandoval County, NM. The source of the injectate will be from nearby oil and gas wells operated by Enduring. The primary injection target is anticipated to be between 7086' to 7316' within the Entrada Sandstone formation. The planned maximum daily injection rate will be 12,000 bwpd. The anticipated maximum surface injection pressure will be 1492 psig. Interested parties must file objections or requests for hearing with the New Mexico Oil Conservation Division, 1220 South St. Frances Drive, Santa Fe, NM 87505 within 15 days of the date of this publication.

Published in Tri-City Record
May 29, 2026

RIO GRANDE SUN

AFFIDAVIT OF PUBLICATION

Rio Grande Sun
423 A2 South Riverside Dr , Espanola, NM 87532
(575) 257-4001

State of New Jersey, County of Camden, ss:

I, Anjana Bhadoriya, of lawful age, being duly sworn upon oath depose and say that I am an agent of Column Software, PBC, duly appointed and authorized agent of the Publisher of Rio Grande Sun, a Daily newspaper of general circulation, printed and published in City of Espanola, Rio Arriba County, State of New Mexico; that the publication, a copy of which is attached hereto, was published in the said newspaper on the following dates.

Publication Dates:
- Jun 4, 2026

Notice ID: Tw4pl3JZpagZrjB88FRA

Notice Name: ACU SWD #1

Publication Fee: $41.31

Anjana Bhadoriya

Agent

SHARONN E THOMAS-POPE
NOTARY PUBLIC
STATE OF NEW JERSEY
My Commission Expires January 23, 2027

VERIFICATION
State of New Jersey
County of Camden

Signed or attested before me on this: 06/16/2026

Notary Public
Notarized remotely online using communication technology via Proof.

LEGAL NOTICE

Enduring Resources LLC located at 200 Energy Court, Farmington, NM is hereby making an application for administrative approval to drill, construct and operate a closed system UIC Class II saltwater disposal well known as the ACU SWD #001 located 537' FSL by 2281' FEL, SEC11T22NR07W, Sandoval County, NM. The source of the injectate will be from nearby oil and gas wells operated by Enduring. The primary injection target is anticipated to be between 7086' to 7316' within the Entrada Sandstone formation. The planned maximum daily injection rate will be 12,000 bwpd. The anticipated maximum surface injection pressure will be 1492 psig. Any interested parties must file objections or requests for hearing with the New Mexico Oil Conservation Division, 1220 South St. Frances Drive, Santa Fe, NM 87505 within 15 days of the date of this publication.
Published in Rio Grande Sun June 4, 2026.

107730

Enduring Resources, LLC
Application For Authorization to Inject
ACU SWD #001

ITEM XIV – CERTIFICATION

I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

Shaw-Marie Ford

June 17, 2026
Date

Shaw-Marie Ford
Regulatory Specialist
Enduring Resources, LLC
M: (505) 716-3297
E: sford@enduringresources.com

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Operator:	OGRID:
ENDURING RESOURCES, LLC 6300 S Syracuse Way Centennial, CO 80111	372286
	Action Number: 596693
	Action Type: [C-108] Fluid Injection Well (C-108)

CONDITIONS

Created By	Condition	Condition Date
delilah.dougi	None	8/7/2026