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

Sundry Print Report

05/22/2023

Well Name: MLMU

Well Location: T24S / R37E / SEC 6 / LOT 2 /

County or Parish/State: LEA / NM

Well Number: 135

Type of Well: INJECTION - ENHANCED RECOVERY

Allottee or Tribe Name:

Lease Number: NMNM7488

Unit or CA Name: MYERS LANGLIE MATTIX UNIT

Unit or CA Number: NMNM70991A

US Well Number: 3002525989

Well Status: Abandoned

Operator: JR OIL LTD COMPANY

Accepted for Record Only

NMOCD 5/23/23

SUBJECT TO LIKE APPROVAL BY BLM

Notice of Intent

Sundry ID: 2711679

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 01/19/2023

Time Sundry Submitted: 01:17

Date proposed operation will begin: 03/31/2023

Procedure Description: (see attachment)

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Attachments_MLMU__135_P_A_20230119130903.pdf

Well Name: MLMU

Well Location: T24S / R37E / SEC 6 / LOT 2 /

County or Parish/State: LEA / NM

Well Number: 135

Type of Well: INJECTION - ENHANCED RECOVERY

Allottee or Tribe Name:

Lease Number: NMNM7488

Unit or CA Name: MYERS LANGLIE MATTIX UNIT

Unit or CA Number: NMNM70991A

US Well Number: 3002525989

Well Status: Abandoned

Operator: JR OIL LTD COMPANY

Conditions of Approval

Specialist Review

MLMU_135___2711679___COA_AND_PROCEDURE_20230212133000.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: IAN PETERSEN

Signed on: JAN 19, 2023 01:09 PM

Name: JR OIL LTD COMPANY

Title: Engineer

Street Address: 5700 W CARLSBAD HWY

City: HOBBS **State:** NM

Phone: (432) 634-4922

Email address: IAN@DDPETRO.COM

Field

Representative Name: Bobby Stearns

Street Address:

City: **State:** NM **Zip:**

Phone: (575)760-2482

Email address: bobbystearns1@yahoo.com

BLM Point of Contact

BLM POC Name: KEITH P IMMATTY

BLM POC Title: ENGINEER

BLM POC Phone: 5759884722

BLM POC Email Address: KIMMATTY@BLM.GOV

Disposition: Approved

Disposition Date: 02/12/2023

Signature: KEITH IMMATTY

J R Oil, Ltd.

Myers Langlie Mattix Unit #135

Plug & Abandon Procedure

09/14/2022

1. MIRU plugging service.
2. RIH work string, tag CIBP, circulate well w/ MLF. **Leak test first barrier(CIBP) to 500psi, 30mins. Use packer if leaks up-hole**
3. Spot 50 sx cement from CIBP to 2,908'
   a. All cement plugs shall be Class C neat unless approved by BLM
4. WOC & tag
   a. If TOC is beneath 2,944' spot additional cement
5. Spot 25 sx cement from ~~2,786' to 2,539'~~ **2836' - 2708'. Tag and verify**
6. Spot 25 sx cement from ~~1,268' to 1,021'~~ **1318' - 1205'. Tag and verify**
7. Perforate 5-1/2" casing @ 556' and squeeze 50 sx cement from 309' to 556'
8. Perforate 5-1/2" casing @ 150' and circulate cement to surface.
9. Cut off well head 3' beneath grade, top off with cement, weld marker plate, and back fill.
10. Remove all underground piping and surface equipment. Remediate surface location per BLM.

Information

Well

Name: Myers Langlie Mattix Unit #135

API: 30-025-25989

Location: Unit B, section 6, T 24S, R 37E, 760’ FNL, 2,080’ FEL

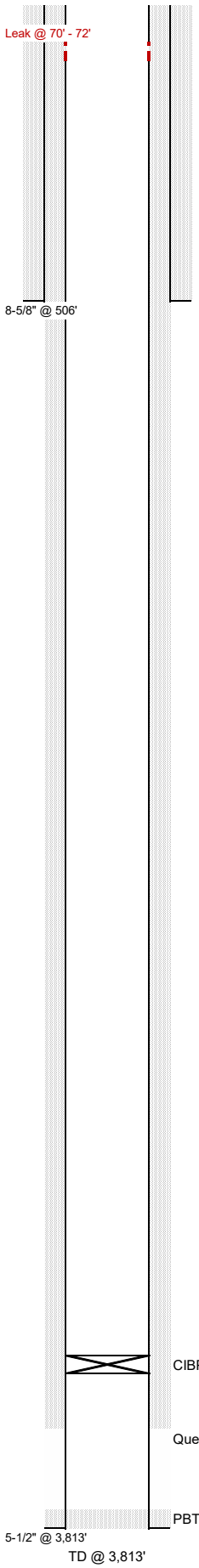
Lat/long: 32.251461, -103.2001648

Directions: From Eunice travel South on Hwy 18.
Turn West (right) onto Deep Wells Rd. and travel 0.6 miles.
Where pavement turns to the North turn South (left) onto dirt road.
Take the second right. This is the well.

Contacts

Company Man in charge:	Bobby Stearns (575) 760-2482
Engineer:	Ian Petersen (432) 634-4922
Production Foreman:	Josh Latimer (575) 414-9188
Pumper:	Charles Cowger (575) 631-7939

JR Oil Ltd. Myers Langlie Mattix Unit #135W



WELL NAME: Myers Langlie Mattix Unit #135W **FORMATION:** Queen **KB:** 9.0
API NO: 30-025-25989 **FIELD:** Langlie Mattix **PBTD:** 3,753
SPUD DATE: July 20, 1978 **COUNTY:** Lea **TD:** 3,813

CASING

	joints	OD	lb/ft	grade	ID (in)	drift (in)	top	bottom
Surface	12	8 5/8	24.00	K-55	8.097	7.972	9'	506'
Production	97	5 1/2	15.50	K-55	4.950	4.825	9'	3,813'

CEMENT & HOLE DATA

	bit size	depth	sacks	TOC
Surface	12 1/4	520'	350	surf.
Production	7 7/8	3,813'	950	surf.

History:

7/20/1978	Spud by Getty Oil Co., **perf Queen**, acidize 2k gal 15% NE w/ BS, frac 40k# 20/40 sand in 28k gal gel water w/ salt, IP 9 BOPD, 5 MCFD, 36 BWPD
2/13/1980	**Frac** 9k# 100-mesh, 24.5k# 20/40 sand in 30k gal gel water, TR 15 TP 2,000 - 2,600, ISIP 900, 5" 800, 15 hrs vac, clean out, replace (6) jts, AFE stated **well was not responding to water flood** but offset #141 responded good after frac
5/7/1980	Water analysis: Na 7.1k, Ca 580, Fe 0.5, TDS 22.3k, pH 6.85
6/24/1983	Scanned & tested tbg
10/7/1994	Lay down rods & tbg, TA'd waiting for conversion to injector
12/12/1994	**Tag fill @ 3,773', holes in surface csg** @ 6' & 12', cut & weld new pipe, back off csg **@ 134', replace w/ 4 jts, clean out to 3,805', perf Queen,** acidize 3k gal 15% HCL NEFE, **pkr wouldn't set/hold from 3,137' to 3,479',** swab, OCD wouldn't approve setting pkr higher, left well uncompleted
6/22/1995	Ran csg inspection log 3,500' to surf., **882' probable hole in ID, 513' - 947'** scattered isolated pitting in OD **20-80% thickness loss**, 1,696' - 1,794', isolated pitting in OD 20-60% loss, 3,235' - 3,422' scattered ID & OD isolated pitting 20-40% loss, **3,457'** isolated pitting in OD **60-80% loss**.
9/26/1995	Set **Guiberson G-6 nickel OD/IPC injection pkr @ 3,407'** on Duo-Line tbg w/ 10 pts tension, circ. pkr fluid, **converted to injection,** 248 BWPD @ 120 psi
1/22/1997	Inj. profile survey, **tag fill @ 3,773', major fluid loss @ 3,638',** no channels
9/4/2007	(WBD printed - well pulled?)
6/13/2022	Tbg on vac, POOH tbg & pkr, tbg OD in good shape, all rings intact, test tbg, all held, RIH test packer, isolate csg leak at 70-72', full returns to surface csg, set CIBP @ 3,402'

PERFORATIONS

top	bottom	zone	status	ttl shots	date
3,502'	3,686'	Queen	active	17	07/20/78
3,541'	3,790'	Queen	active	110	12/12/94

TUBING (NA)

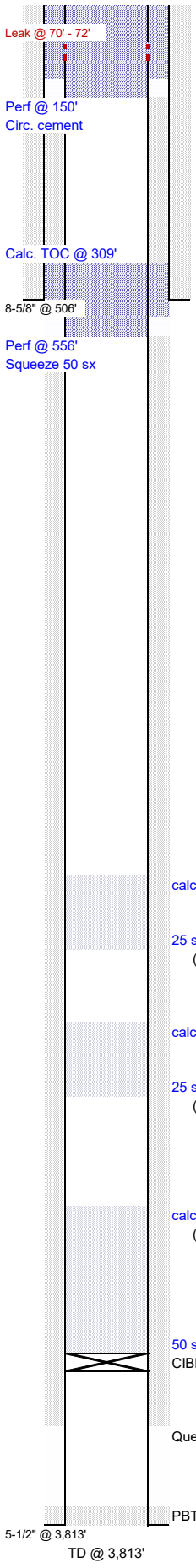
	OD (in)	ID (in)	joints	length (ft)	depth (ft)

RODS (NA)

	OD (in)	grade	rods	length (ft)	depth (ft)

Updated: September 14, 2022 by Ian Petersen

JR Oil Ltd. Myers Langlie Mattix Unit #135W PROPOSED



WELL NAME: Myers Langlie Mattix Unit #135W **FORMATION:** Queen **KB:** 9.0
API NO: 30-025-25989 **FIELD:** Langlie Mattix **PBTD:** 3,753
SPUD DATE: July 20, 1978 **COUNTY:** Lea **TD:** 3,813

CASING

	joints	OD	lb/ft	grade	ID (in)	drift (in)	top	bottom
Surface	12	8 5/8	24.00	K-55	8.097	7.972	9'	506'
Production	97	5 1/2	15.50	K-55	4.950	4.825	9'	3,813'

CEMENT & HOLE DATA

bit size	depth	sacks	TOC
12 1/4	520'	350	surf.
7 7/8	3,813'	950	surf.

History:

7/20/1978	Spud by Getty Oil Co., **perf Queen**, acidize 2k gal 15% NE w/ BS, frac 40k# 20/40 sand in 28k gal gel water w/ salt, IP 9 BOPD, 5 MCFD, 36 BWPD
2/13/1980	**Frac** 9k# 100-mesh, 24.5k# 20/40 sand in 30k gal gel water, TR 15 TP 2,000 - 2,600, ISIP 900, 5" 800, 15 hrs vac, clean out, replace (6) jts, AFE stated **well was not responding to water flood** but offset #141 responded good after frac
5/7/1980	Water analysis: Na 7.1k, Ca 580, Fe 0.5, TDS 22.3k, pH 6.85
6/24/1983	Scanned & tested tbg
10/7/1994	Lay down rods & tbg, TA'd waiting for conversion to injector
12/12/1994	**Tag fill @ 3,773', holes in surface csg** @ 6' & 12', cut & weld new pipe, back off csg **@ 134', replace w/ 4 jts, clean out to 3,805', perf Queen,** acidize 3k gal 15% HCL NEFE, **pkr wouldn't set/hold from 3,137' to 3,479',** swab, OCD wouldn't approve setting pkr higher, left well uncompleted
6/22/1995	Ran csg inspection log 3,500' to surf., **882' probable hole in ID, 513' - 947'** scattered isolated pitting in OD **20-80% thickness loss**, 1,696' - 1,794', isolated pitting in OD 20-60% loss, 3,235' - 3,422' scattered ID & OD isolated pitting 20-40% loss, **3,457'** isolated pitting in OD **60-80% loss**.
9/26/1995	Set **Guiberson G-6 nickel OD/IPC injection pkr @ 3,407'** on Duo-Line tbg w/ 10 pts tension, circ. pkr fluid, **converted to injection,** 248 BWPD @ 120 psi
1/22/1997	Inj. profile survey, **tag fill @ 3,773', major fluid loss @ 3,638',** no channels
9/4/2007	(WBD printed - well pulled?)
6/13/2022	Tbg on vac, POOH tbg & pkr, tbg OD in good shape, all rings intact, test tbg, all held, RIH test packer, isolate csg leak at 70-72', full returns to surface csg, set CIBP @ 3,402'
PROPOSED	Circ. MLF, spot cement plugs, perforate & squeeze shoe, perforate and circ. surface plug

PERFORATIONS

top	bottom	zone	status	ttl shots	date
3,502'	3,686'	Queen	active	17	07/20/78
3,541'	3,790'	Queen	active	110	12/12/94

TUBING (NA)

	OD (in)	ID (in)	joints	length (ft)	depth (ft)

RODS (NA)

	OD (in)	grade	rods	length (ft)	depth (ft)

Updated: September 14, 2022 by Ian Petersen

Sundry ID **2711679**

Plug Type	Top	Bottom	Length	Tag	Sacks	Notes
Surface Plug	0.00	150.00	150.00	Verify circulated to surface	35.00	Operator choosing perf and sqz. Spot if pressuring up. Leak from 70-72'.
Shoe Plug	450.94	556.00	105.06	WOC and Tag	50.00	Operator choosing perf and sqz attempt. Spot of pressuring up
Top of Salt @ 1268	1205.32	1318.00	112.68	WOC and Tag	25.00	
Base of Salt @ 2786	2708.14	2836.00	127.86	WOC and Tag	25.00	
Yates @ 2994	2914.06	3044.00	129.94		50.00	Covered by below plug
CIBP Plug	3367.00	3402.00	35.00	Verify CIBP depth	50.00	Leak test 500psi, 30mins

No more than 2000' is to be allowed between plugs in open hole, and no more than 3000' between plugs in cased hole.
Class H >7500'
Class C<7500'
Fluid used to mix the cement in R111P shall be saturated with the salts common to the section penetrated, and in suitable proportions, but not more than 3% calcium chloride by weight of cement will be considered the desired mixture whenever possible.
Critical, High Cave Karst: Cave Karst depth to surface
R111P: Solid plug in all annuli - 50' from bottom of salt to surface.

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

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

Cave Karst/Potash Cement	Low	500.00

Shoe @	506.00		
Shoe @	3813.00		
Perforatons Top @	3502.00	Perforations	3686.00
		CIBP @	3402.00

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

Permanent Abandonment of Federal Wells
Conditions of Approval

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

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

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

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

2. **Notification: Contact the appropriate BLM office at least 24 hours prior to the commencing of any plugging operations. For wells in Chaves and Roosevelt County, call 575-627-0272; Eddy County, call 575-361-2822; Lea County, call 575-689-5981.**

3. Blowout Preventers: A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.

4. Mud Requirement: Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of **brine** water. Minimum nine (9) pounds per gallon.

5. Cement Requirement: Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. Any plug that requires a tag will have a minimum WOC time of 4 hours.

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

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

6. Dry Hole Marker: All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). **The BLM is to be notified a minimum of 4 hours prior to the wellhead being cut off to verify that cement is to surface in the casing and all annuluses. Wellhead cut off shall commence within ten (10) calendar days of the well being plugged. If the cut off cannot be done by the 10th day, the BLM is to be contacted with justification to receive an extension for completing the cut off.**
The well bore shall then be capped with a 4-inch pipe, 10-feet in length, 4 feet above ground and embedded in cement, unless otherwise noted in COA (requirements will be attached). The following information shall be permanently inscribed on the dry hole marker: well name and number, name of the operator, lease serial number, surveyed location (quarter-quarter section, section, township and range or other authorized survey designation acceptable to the authorized officer such as metes and bounds). A weep hole shall be left if a metal plate is welded in place.

7. Subsequent Plugging Reporting: Within 30 days after plugging work is completed, file one original and three copies of the Subsequent Report of Abandonment, Form 3160-5 to BLM. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. **Show date well was plugged.**

8. Trash: All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.

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

United States Department of the Interior

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

In Reply Refer To: 1310

Reclamation Objectives and Procedures

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

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

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

1. The Application for Permit to Drill or Reenter (APD, Form 3160-3), Surface Use Plan of Operations must include adequate measures for stabilization and reclamation of disturbed lands. Oil and Gas operators must plan for reclamation, both interim and final, up front in the APD process as per Onshore Oil and Gas Order No. 1.

2. For wells and/or access roads not having an approved plan, or an inadequate plan for surface reclamation (either interim or final reclamation), the operator must submit a proposal describing the procedures for reclamation. For interim reclamation, the appropriate time for submittal would be when filing the Well Completion or Recompletion Report and Log (Form 3160-4). For final reclamation, the appropriate time for submittal would be when filing the Notice of Intent, or the Subsequent Report of Abandonment, Sundry Notices and Reports on Wells (Form 3160-5). Interim reclamation is to be completed within 6 months of well completion, and final reclamation is to be completed within 6 months of well abandonment.

3. The operator must file a Subsequent Report Plug and Abandonment (Form 3160-5) following the plugging of a well.

4. Previous instruction had you waiting for a BLM specialist to inspect the location and provide you with reclamation requirements. If you have an approved Surface Use Plan of Operation and/or an approved Sundry Notice, you are free to proceed with reclamation as per approved APD. If you

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

5. The approved Subsequent Report of Reclamation will be your notice that the native soils, contour and seedbed have been reestablished. If the BLM objectives have not been met the operator will be notified and corrective actions may be required.

6. It is the responsibility of the operator to monitor these locations and/or access roads until such time as the operator feels that the BLM objective has been met. If after two growing seasons the location and/or access roads are not showing the potential for successful revegetation, additional actions may be needed. When you feel the BLM objectives have been met submit a Final Abandonment Notice (FAN), Form 3160-5, stating that all reclamation requirements have been achieved and the location and/or access road is ready for a final abandonment inspection.

7. At this time the BLM specialist will inspect the location and/or access road. If the native soils and contour have been restored, and the revegetation is successful, the FAN will be approved, releasing the operator of any further liability of the location and/or access road. If the location and/or access road have not achieved the objective, you will be notified as to additional work needed or additional time being needed to achieve the objective.

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

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

Arthur Arias
Environmental Protection Specialist
575-234-6230

Crisha Morgan
Environmental Protection Specialist
575-234-5987

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

Mark Mattozzi
Environmental Protection Specialist
575-234-5713

Robert Duenas
Environmental Protection Specialist
575-234-2229

Trishia Bad Bear, Hobbs Field Station
Natural Resource Specialist
575-393-3612

J R Oil, Ltd.

Myers Langlie Mattix Unit #135

Plug & Abandon Procedure

09/14/2022

1. MIRU plugging service.
2. RIH work string, tag CIBP, circulate well w/ MLF. **Leak test first barrier(CIBP) to 500psi, 30mins. Use packer if leaks up-hole**
3. Spot 50 sx cement from CIBP to 2,908'
   a. All cement plugs shall be Class C neat unless approved by BLM
4. WOC & tag
   a. If TOC is beneath 2,944' spot additional cement
5. Spot 25 sx cement from ~~2,786' to 2,539'~~ **2836' - 2708'. Tag and verify**
6. Spot 25 sx cement from ~~1,268' to 1,021'~~ **1318' - 1205'. Tag and verify**
7. Perforate 5-1/2" casing @ 556' and squeeze 50 sx cement from 309' to 556'
8. Perforate 5-1/2" casing @ 150' and circulate cement to surface.
9. Cut off well head 3' beneath grade, top off with cement, weld marker plate, and back fill.
10. Remove all underground piping and surface equipment. Remediate surface location per BLM.

Information

Well

Name: Myers Langlie Mattix Unit #135

API: 30-025-25989

Location: Unit B, section 6, T 24S, R 37E, 760’ FNL, 2,080’ FEL

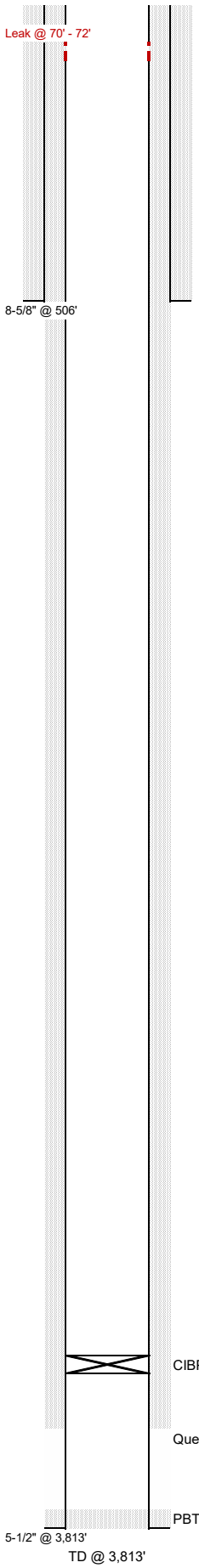
Lat/long: 32.251461, -103.2001648

Directions: From Eunice travel South on Hwy 18.
Turn West (right) onto Deep Wells Rd. and travel 0.6 miles.
Where pavement turns to the North turn South (left) onto dirt road.
Take the second right. This is the well.

Contacts

Company Man in charge:	Bobby Stearns (575) 760-2482
Engineer:	Ian Petersen (432) 634-4922
Production Foreman:	Josh Latimer (575) 414-9188
Pumper:	Charles Cowger (575) 631-7939

JR Oil Ltd. Myers Langlie Mattix Unit #135W



WELL NAME: Myers Langlie Mattix Unit #135W **FORMATION:** Queen **KB:** 9.0
API NO: 30-025-25989 **FIELD:** Langlie Mattix **PBTD:** 3,753
SPUD DATE: July 20, 1978 **COUNTY:** Lea **TD:** 3,813

CASING / **CEMENT & HOLE DATA**

	joints	OD	lb/ft	grade	ID (in)	drift (in)	top	bottom	bit size	depth	sacks	TOC
Surface	12	8 5/8	24.00	K-55	8.097	7.972	9'	506'	12 1/4	520'	350	surf.
Production	97	5 1/2	15.50	K-55	4.950	4.825	9'	3,813'	7 7/8	3,813'	950	surf.

History:

7/20/1978	Spud by Getty Oil Co., **perf Queen**, acidize 2k gal 15% NE w/ BS, frac 40k# 20/40 sand in 28k gal gel water w/ salt, IP 9 BOPD, 5 MCFD, 36 BWPD
2/13/1980	**Frac** 9k# 100-mesh, 24.5k# 20/40 sand in 30k gal gel water, TR 15 TP 2,000 - 2,600, ISIP 900, 5" 800, 15 hrs vac, clean out, replace (6) jts, AFE stated **well was not responding to water flood** but offset #141 responded good after frac
5/7/1980	Water analysis: Na 7.1k, Ca 580, Fe 0.5, TDS 22.3k, pH 6.85
6/24/1983	Scanned & tested tbg
10/7/1994	Lay down rods & tbg, TA'd waiting for conversion to injector
12/12/1994	**Tag fill @ 3,773', holes in surface csg** @ 6' & 12', cut & weld new pipe, back off csg **@ 134', replace w/ 4 jts, clean out to 3,805', perf Queen,** acidize 3k gal 15% HCL NEFE, **pkr wouldn't set/hold from 3,137' to 3,479',** swab, OCD wouldn't approve setting pkr higher, left well uncompleted
6/22/1995	Ran csg inspection log 3,500' to surf., **882' probable hole in ID, 513' - 947'** scattered isolated pitting in OD **20-80% thickness loss**, 1,696' - 1,794', isolated pitting in OD 20-60% loss, 3,235' - 3,422' scattered ID & OD isolated pitting 20-40% loss, **3,457'** isolated pitting in OD **60-80% loss**.
9/26/1995	Set **Guiberson G-6 nickel OD/IPC injection pkr @ 3,407'** on Duo-Line tbg w/ 10 pts tension, circ. pkr fluid, **converted to injection,** 248 BWPD @ 120 psi
1/22/1997	Inj. profile survey, **tag fill @ 3,773', major fluid loss @ 3,638',** no channels
9/4/2007	(WBD printed - well pulled?)
6/13/2022	Tbg on vac, POOH tbg & pkr, tbg OD in good shape, all rings intact, test tbg, all held, RIH test packer, isolate csg leak at 70-72', full returns to surface csg, set CIBP @ 3,402'

PERFORATIONS

top	bottom	zone	status	ttl shots	date
3,502'	3,686'	Queen	active	17	07/20/78
3,541'	3,790'	Queen	active	110	12/12/94

TUBING (NA)

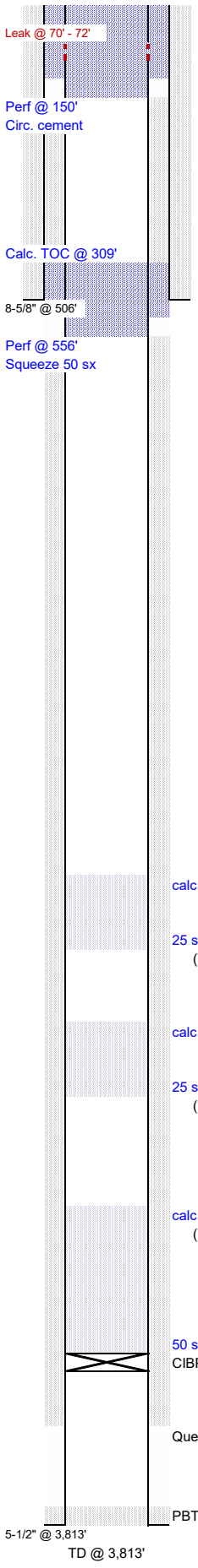
	OD (in)	ID (in)	joints	length (ft)	depth (ft)

RODS (NA)

	OD (in)	grade	rods	length (ft)	depth (ft)

Updated: September 14, 2022 by Ian Petersen

JR Oil Ltd. Myers Langlie Mattix Unit #135W PROPOSED



WELL NAME: Myers Langlie Mattix Unit #135W **FORMATION:** Queen **KB:** 9.0
API NO: 30-025-25989 **FIELD:** Langlie Mattix **PBTD:** 3,753
SPUD DATE: July 20, 1978 **COUNTY:** Lea **TD:** 3,813

CASING

	joints	OD	lb/ft	grade	ID (in)	drift (in)	top	bottom
Surface	12	8 5/8	24.00	K-55	8.097	7.972	9'	506'
Production	97	5 1/2	15.50	K-55	4.950	4.825	9'	3,813'

CEMENT & HOLE DATA

	bit size	depth	sacks	TOC
Surface	12 1/4	520'	350	surf.
Production	7 7/8	3,813'	950	surf.

History:

7/20/1978	Spud by Getty Oil Co., **perf Queen**, acidize 2k gal 15% NE w/ BS, frac 40k# 20/40 sand in 28k gal gel water w/ salt, IP 9 BOPD, 5 MCFD, 36 BWPD
2/13/1980	**Frac** 9k# 100-mesh, 24.5k# 20/40 sand in 30k gal gel water, TR 15 TP 2,000 - 2,600, ISIP 900, 5" 800, 15 hrs vac, clean out, replace (6) jts, AFE stated **well was not responding to water flood** but offset #141 responded good after frac
5/7/1980	Water analysis: Na 7.1k, Ca 580, Fe 0.5, TDS 22.3k, pH 6.85
6/24/1983	Scanned & tested tbg
10/7/1994	Lay down rods & tbg, TA'd waiting for conversion to injector
12/12/1994	**Tag fill @ 3,773', holes in surface csg** @ 6' & 12', cut & weld new pipe, back off csg **@ 134', replace w/ 4 jts, clean out to 3,805', perf Queen,** acidize 3k gal 15% HCL NEFE, **pkr wouldn't set/hold from 3,137' to 3,479',** swab, OCD wouldn't approve setting pkr higher, left well uncompleted
6/22/1995	Ran csg inspection log 3,500' to surf., **882' probable hole in ID, 513' - 947'** scattered isolated pitting in OD **20-80% thickness loss**, 1,696' - 1,794', isolated pitting in OD 20-60% loss, 3,235' - 3,422' scattered ID & OD isolated pitting 20-40% loss, **3,457'** isolated pitting in OD **60-80% loss**.
9/26/1995	Set **Guiberson G-6 nickel OD/IPC injection pkr @ 3,407'** on Duo-Line tbg w/ 10 pts tension, circ. pkr fluid, **converted to injection,** 248 BWPD @ 120 psi
1/22/1997	Inj. profile survey, **tag fill @ 3,773', major fluid loss @ 3,638',** no channels
9/4/2007	(WBD printed - well pulled?)
6/13/2022	Tbg on vac, POOH tbg & pkr, tbg OD in good shape, all rings intact, test tbg, all held, RIH test packer, isolate csg leak at 70-72', full returns to surface csg, set CIBP @ 3,402'
PROPOSED	Circ. MLF, spot cement plugs, perforate & squeeze shoe, perforate and circ. surface plug

PERFORATIONS

top	bottom	zone	status	ttl shots	date
3,502'	3,686'	Queen	active	17	07/20/78
3,541'	3,790'	Queen	active	110	12/12/94

TUBING (NA)

	OD (in)	ID (in)	joints	length (ft)	depth (ft)

RODS (NA)

	OD (in)	grade	rods	length (ft)	depth (ft)

Updated: September 14, 2022 by Ian Petersen

Sundry ID **2711679**

Plug Type	Top	Bottom	Length	Tag	Sacks	Notes
Surface Plug	0.00	150.00	150.00	Verify circulated to surface	35.00	Operator choosing perf and sqz. Spot if pressuring up. Leak from 70-72'.
Shoe Plug	450.94	556.00	105.06	WOC and Tag	50.00	Operator choosing perf and sqz attempt. Spot of pressuring up
Top of Salt @ 1268	1205.32	1318.00	112.68	WOC and Tag	25.00	
Base of Salt @ 2786	2708.14	2836.00	127.86	WOC and Tag	25.00	
Yates @ 2994	2914.06	3044.00	129.94		50.00	Covered by below plug
CIBP Plug	3367.00	3402.00	35.00	Verify CIBP depth	50.00	Leak test 500psi, 30mins

No more than 2000' is to be allowed between plugs in open hole, and no more than 3000' between plugs in cased hole.
Class H >7500'
Class C<7500'
Fluid used to mix the cement in R111P shall be saturated with the salts common to the section penetrated, and in suitable proportions, but not more than 3% calcium chloride by weight of cement will be considered the desired mixture whenever possible.
Critical, High Cave Karst: Cave Karst depth to surface
R111P: Solid plug in all annuli - 50' from bottom of salt to surface.

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

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

Cave Karst/Potash Cement	Low	500.00

Shoe @	506.00		
Shoe @	3813.00		
Perforatons Top @	3502.00	Perforations	3686.00
		CIBP @	3402.00

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

Permanent Abandonment of Federal Wells
Conditions of Approval

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

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

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

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

2. **Notification: Contact the appropriate BLM office at least 24 hours prior to the commencing of any plugging operations. For wells in Chaves and Roosevelt County, call 575-627-0272; Eddy County, call 575-361-2822; Lea County, call 575-689-5981.**

3. Blowout Preventers: A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.

4. Mud Requirement: Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of **brine** water. Minimum nine (9) pounds per gallon.

5. Cement Requirement: Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. Any plug that requires a tag will have a minimum WOC time of 4 hours.

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

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

6. Dry Hole Marker: All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). **The BLM is to be notified a minimum of 4 hours prior to the wellhead being cut off to verify that cement is to surface in the casing and all annuluses. Wellhead cut off shall commence within ten (10) calendar days of the well being plugged. If the cut off cannot be done by the 10th day, the BLM is to be contacted with justification to receive an extension for completing the cut off.**
The well bore shall then be capped with a 4-inch pipe, 10-feet in length, 4 feet above ground and embedded in cement, unless otherwise noted in COA (requirements will be attached). The following information shall be permanently inscribed on the dry hole marker: well name and number, name of the operator, lease serial number, surveyed location (quarter-quarter section, section, township and range or other authorized survey designation acceptable to the authorized officer such as metes and bounds). A weep hole shall be left if a metal plate is welded in place.

7. Subsequent Plugging Reporting: Within 30 days after plugging work is completed, file one original and three copies of the Subsequent Report of Abandonment, Form 3160-5 to BLM. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. **Show date well was plugged.**

8. Trash: All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.

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

United States Department of the Interior

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

In Reply Refer To: 1310

Reclamation Objectives and Procedures

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

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

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

1. The Application for Permit to Drill or Reenter (APD, Form 3160-3), Surface Use Plan of Operations must include adequate measures for stabilization and reclamation of disturbed lands. Oil and Gas operators must plan for reclamation, both interim and final, up front in the APD process as per Onshore Oil and Gas Order No. 1.

2. For wells and/or access roads not having an approved plan, or an inadequate plan for surface reclamation (either interim or final reclamation), the operator must submit a proposal describing the procedures for reclamation. For interim reclamation, the appropriate time for submittal would be when filing the Well Completion or Recompletion Report and Log (Form 3160-4). For final reclamation, the appropriate time for submittal would be when filing the Notice of Intent, or the Subsequent Report of Abandonment, Sundry Notices and Reports on Wells (Form 3160-5). Interim reclamation is to be completed within 6 months of well completion, and final reclamation is to be completed within 6 months of well abandonment.

3. The operator must file a Subsequent Report Plug and Abandonment (Form 3160-5) following the plugging of a well.

4. Previous instruction had you waiting for a BLM specialist to inspect the location and provide you with reclamation requirements. If you have an approved Surface Use Plan of Operation and/or an approved Sundry Notice, you are free to proceed with reclamation as per approved APD. If you

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

5. The approved Subsequent Report of Reclamation will be your notice that the native soils, contour and seedbed have been reestablished. If the BLM objectives have not been met the operator will be notified and corrective actions may be required.

6. It is the responsibility of the operator to monitor these locations and/or access roads until such time as the operator feels that the BLM objective has been met. If after two growing seasons the location and/or access roads are not showing the potential for successful revegetation, additional actions may be needed. When you feel the BLM objectives have been met submit a Final Abandonment Notice (FAN), Form 3160-5, stating that all reclamation requirements have been achieved and the location and/or access road is ready for a final abandonment inspection.

7. At this time the BLM specialist will inspect the location and/or access road. If the native soils and contour have been restored, and the revegetation is successful, the FAN will be approved, releasing the operator of any further liability of the location and/or access road. If the location and/or access road have not achieved the objective, you will be notified as to additional work needed or additional time being needed to achieve the objective.

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

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

Arthur Arias
Environmental Protection Specialist
575-234-6230

Crisha Morgan
Environmental Protection Specialist
575-234-5987

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

Mark Mattozzi
Environmental Protection Specialist
575-234-5713

Robert Duenas
Environmental Protection Specialist
575-234-2229

Trishia Bad Bear, Hobbs Field Station
Natural Resource Specialist
575-393-3612

J R Oil, Ltd.

Myers Langlie Mattix Unit #135

Plug & Abandon Procedure

09/14/2022

1. MIRU plugging service.
2. RIH work string, tag CIBP, circulate well w/ MLF. **Leak test first barrier(CIBP) to 500psi, 30mins. Use packer if leaks up-hole**
3. Spot 50 sx cement from CIBP to 2,908'
   a. All cement plugs shall be Class C neat unless approved by BLM
4. WOC & tag
   a. If TOC is beneath 2,944' spot additional cement
5. Spot 25 sx cement from ~~2,786' to 2,539'~~ **2836' - 2708'. Tag and verify**
6. Spot 25 sx cement from ~~1,268' to 1,021'~~ **1318' - 1205'. Tag and verify**
7. Perforate 5-1/2" casing @ 556' and squeeze 50 sx cement from 309' to 556'
8. Perforate 5-1/2" casing @ 150' and circulate cement to surface.
9. Cut off well head 3' beneath grade, top off with cement, weld marker plate, and back fill.
10. Remove all underground piping and surface equipment. Remediate surface location per BLM.

Information

Well

Name: Myers Langlie Mattix Unit #135

API: 30-025-25989

Location: Unit B, section 6, T 24S, R 37E, 760’ FNL, 2,080’ FEL

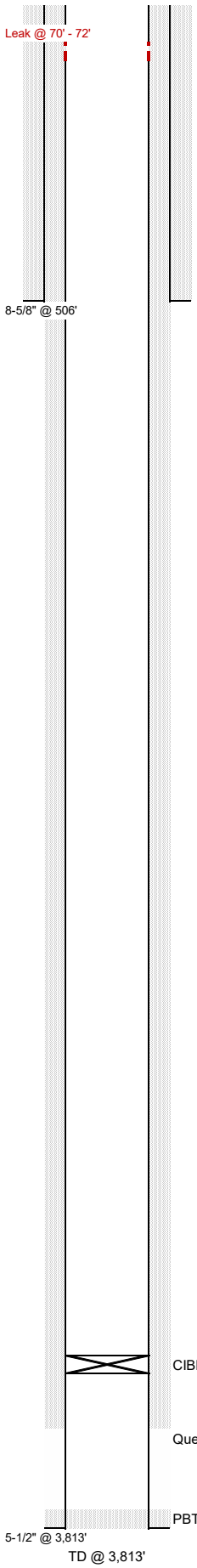
Lat/long: 32.251461, -103.2001648

Directions: From Eunice travel South on Hwy 18.
Turn West (right) onto Deep Wells Rd. and travel 0.6 miles.
Where pavement turns to the North turn South (left) onto dirt road.
Take the second right. This is the well.

Contacts

Company Man in charge:	Bobby Stearns (575) 760-2482
Engineer:	Ian Petersen (432) 634-4922
Production Foreman:	Josh Latimer (575) 414-9188
Pumper:	Charles Cowger (575) 631-7939

JR Oil Ltd. Myers Langlie Mattix Unit #135W



WELL NAME: Myers Langlie Mattix Unit #135W **FORMATION:** Queen **KB:** 9.0
API NO: 30-025-25989 **FIELD:** Langlie Mattix **PBTD:** 3,753
SPUD DATE: July 20, 1978 **COUNTY:** Lea **TD:** 3,813

CASING / **CEMENT & HOLE DATA**

	joints	OD	lb/ft	grade	ID (in)	drift (in)	top	bottom	bit size	depth	sacks	TOC
Surface	12	8 5/8	24.00	K-55	8.097	7.972	9'	506'	12 1/4	520'	350	surf.
Production	97	5 1/2	15.50	K-55	4.950	4.825	9'	3,813'	7 7/8	3,813'	950	surf.

History:

7/20/1978	Spud by Getty Oil Co., **perf Queen**, acidize 2k gal 15% NE w/ BS, frac 40k# 20/40 sand in 28k gal gel water w/ salt, IP 9 BOPD, 5 MCFD, 36 BWPD
2/13/1980	**Frac** 9k# 100-mesh, 24.5k# 20/40 sand in 30k gal gel water, TR 15 TP 2,000 - 2,600, ISIP 900, 5" 800, 15 hrs vac, clean out, replace (6) jts, AFE stated **well was not responding to water flood** but offset #141 responded good after frac
5/7/1980	Water analysis: Na 7.1k, Ca 580, Fe 0.5, TDS 22.3k, pH 6.85
6/24/1983	Scanned & tested tbg
10/7/1994	Lay down rods & tbg, TA'd waiting for conversion to injector
12/12/1994	**Tag fill @ 3,773', holes in surface csg** @ 6' & 12', cut & weld new pipe, back off csg **@ 134', replace w/ 4 jts, clean out to 3,805', perf Queen,** acidize 3k gal 15% HCL NEFE, **pkr wouldn't set/hold from 3,137' to 3,479',** swab, OCD wouldn't approve setting pkr higher, left well uncompleted
6/22/1995	Ran csg inspection log 3,500' to surf., **882' probable hole in ID, 513' - 947'** scattered isolated pitting in OD **20-80% thickness loss**, 1,696' - 1,794', isolated pitting in OD 20-60% loss, 3,235' - 3,422' scattered ID & OD isolated pitting 20-40% loss, **3,457'** isolated pitting in OD **60-80% loss**.
9/26/1995	Set **Guiberson G-6 nickel OD/IPC injection pkr @ 3,407'** on Duo-Line tbg w/ 10 pts tension, circ. pkr fluid, **converted to injection,** 248 BWPD @ 120 psi
1/22/1997	Inj. profile survey, **tag fill @ 3,773', major fluid loss @ 3,638',** no channels
9/4/2007	(WBD printed - well pulled?)
6/13/2022	Tbg on vac, POOH tbg & pkr, tbg OD in good shape, all rings intact, test tbg, all held, RIH test packer, isolate csg leak at 70-72', full returns to surface csg, set CIBP @ 3,402'

PERFORATIONS

top	bottom	zone	status	ttl shots	date
3,502'	3,686'	Queen	active	17	07/20/78
3,541'	3,790'	Queen	active	110	12/12/94

TUBING (NA)

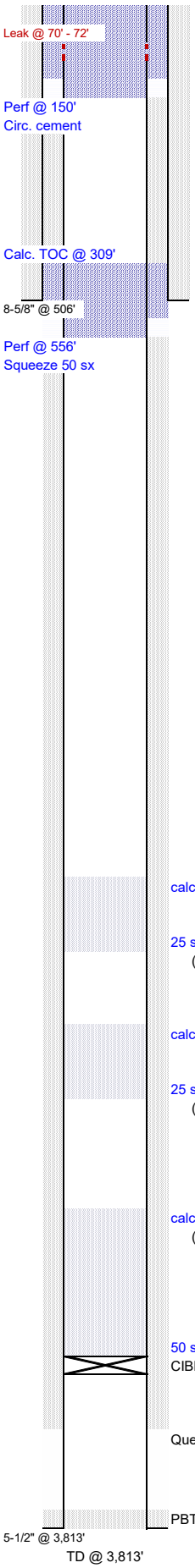
	OD (in)	ID (in)	joints	length (ft)	depth (ft)

RODS (NA)

	OD (in)	grade	rods	length (ft)	depth (ft)

Updated: September 14, 2022 by Ian Petersen

JR Oil Ltd. Myers Langlie Mattix Unit #135W PROPOSED



WELL NAME: Myers Langlie Mattix Unit #135W **FORMATION:** Queen **KB:** 9.0
API NO: 30-025-25989 **FIELD:** Langlie Mattix **PBTD:** 3,753
SPUD DATE: July 20, 1978 **COUNTY:** Lea **TD:** 3,813

CASING

	joints	OD	lb/ft	grade	ID (in)	drift (in)	top	bottom
Surface	12	8 5/8	24.00	K-55	8.097	7.972	9'	506'
Production	97	5 1/2	15.50	K-55	4.950	4.825	9'	3,813'

CEMENT & HOLE DATA

bit size	depth	sacks	TOC
12 1/4	520'	350	surf.
7 7/8	3,813'	950	surf.

History:

7/20/1978	Spud by Getty Oil Co., **perf Queen**, acidize 2k gal 15% NE w/ BS, frac 40k# 20/40 sand in 28k gal gel water w/ salt, IP 9 BOPD, 5 MCFD, 36 BWPD
2/13/1980	**Frac** 9k# 100-mesh, 24.5k# 20/40 sand in 30k gal gel water, TR 15 TP 2,000 - 2,600, ISIP 900, 5" 800, 15 hrs vac, clean out, replace (6) jts, AFE stated **well was not responding to water flood** but offset #141 responded good after frac
5/7/1980	Water analysis: Na 7.1k, Ca 580, Fe 0.5, TDS 22.3k, pH 6.85
6/24/1983	Scanned & tested tbg
10/7/1994	Lay down rods & tbg, TA'd waiting for conversion to injector
12/12/1994	**Tag fill @ 3,773', holes in surface csg** @ 6' & 12', cut & weld new pipe, back off csg **@ 134', replace w/ 4 jts, clean out to 3,805', perf Queen,** acidize 3k gal 15% HCL NEFE, **pkr wouldn't set/hold from 3,137' to 3,479',** swab, OCD wouldn't approve setting pkr higher, left well uncompleted
6/22/1995	Ran csg inspection log 3,500' to surf., **882' probable hole in ID, 513' - 947'** scattered isolated pitting in OD **20-80% thickness loss**, 1,696' - 1,794', isolated pitting in OD 20-60% loss, 3,235' - 3,422' scattered ID & OD isolated pitting 20-40% loss, **3,457'** isolated pitting in OD **60-80% loss**.
9/26/1995	Set **Guiberson G-6 nickel OD/IPC injection pkr @ 3,407'** on Duo-Line tbg w/ 10 pts tension, circ. pkr fluid, **converted to injection,** 248 BWPD @ 120 psi
1/22/1997	Inj. profile survey, **tag fill @ 3,773', major fluid loss @ 3,638',** no channels
9/4/2007	(WBD printed - well pulled?)
6/13/2022	Tbg on vac, POOH tbg & pkr, tbg OD in good shape, all rings intact, test tbg, all held, RIH test packer, isolate csg leak at 70-72', full returns to surface csg, set CIBP @ 3,402'
PROPOSED	Circ. MLF, spot cement plugs, perforate & squeeze shoe, perforate and circ. surface plug

PERFORATIONS

top	bottom	zone	status	ttl shots	date
3,502'	3,686'	Queen	active	17	07/20/78
3,541'	3,790'	Queen	active	110	12/12/94

TUBING (NA)

	OD (in)	ID (in)	joints	length (ft)	depth (ft)

RODS (NA)

	OD (in)	grade	rods	length (ft)	depth (ft)

Updated: September 14, 2022 by Ian Petersen

Sundry ID **2711679**

Plug Type	Top	Bottom	Length	Tag	Sacks	Notes
Surface Plug	0.00	150.00	150.00	Verify circulated to surface	35.00	Operator choosing perf and sqz. Spot if pressuring up. Leak from 70-72'.
Shoe Plug	450.94	556.00	105.06	WOC and Tag	50.00	Operator choosing perf and sqz attempt. Spot of pressuring up
Top of Salt @ 1268	1205.32	1318.00	112.68	WOC and Tag	25.00	
Base of Salt @ 2786	2708.14	2836.00	127.86	WOC and Tag	25.00	
Yates @ 2994	2914.06	3044.00	129.94		50.00	Covered by below plug
CIBP Plug	3367.00	3402.00	35.00	Verify CIBP depth	50.00	Leak test 500psi, 30mins

No more than 2000' is to be allowed between plugs in open hole, and no more than 3000' between plugs in cased hole.
Class H >7500'
Class C<7500'
Fluid used to mix the cement in R111P shall be saturated with the salts common to the section penetrated, and in suitable proportions, but not more than 3% calcium chloride by weight of cement will be considered the desired mixture whenever possible.
Critical, High Cave Karst: Cave Karst depth to surface
R111P: Solid plug in all annuli - 50' from bottom of salt to surface.

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

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

Cave Karst/Potash Cement	Low	500.00

Shoe @	506.00		
Shoe @	3813.00		
Perforatons Top @	3502.00	Perforations	3686.00
		CIBP @	3402.00

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

Permanent Abandonment of Federal Wells
Conditions of Approval

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

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

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

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

2. **Notification: Contact the appropriate BLM office at least 24 hours prior to the commencing of any plugging operations. For wells in Chaves and Roosevelt County, call 575-627-0272; Eddy County, call 575-361-2822; Lea County, call 575-689-5981.**

3. Blowout Preventers: A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.

4. Mud Requirement: Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of **brine** water. Minimum nine (9) pounds per gallon.

5. Cement Requirement: Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. Any plug that requires a tag will have a minimum WOC time of 4 hours.

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

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

6. Dry Hole Marker: All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). **The BLM is to be notified a minimum of 4 hours prior to the wellhead being cut off to verify that cement is to surface in the casing and all annuluses. Wellhead cut off shall commence within ten (10) calendar days of the well being plugged. If the cut off cannot be done by the 10th day, the BLM is to be contacted with justification to receive an extension for completing the cut off.**
The well bore shall then be capped with a 4-inch pipe, 10-feet in length, 4 feet above ground and embedded in cement, unless otherwise noted in COA (requirements will be attached). The following information shall be permanently inscribed on the dry hole marker: well name and number, name of the operator, lease serial number, surveyed location (quarter-quarter section, section, township and range or other authorized survey designation acceptable to the authorized officer such as metes and bounds). A weep hole shall be left if a metal plate is welded in place.

7. Subsequent Plugging Reporting: Within 30 days after plugging work is completed, file one original and three copies of the Subsequent Report of Abandonment, Form 3160-5 to BLM. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. **Show date well was plugged.**

8. Trash: All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.

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

United States Department of the Interior

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

In Reply Refer To: 1310

Reclamation Objectives and Procedures

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

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

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

1. The Application for Permit to Drill or Reenter (APD, Form 3160-3), Surface Use Plan of Operations must include adequate measures for stabilization and reclamation of disturbed lands. Oil and Gas operators must plan for reclamation, both interim and final, up front in the APD process as per Onshore Oil and Gas Order No. 1.

2. For wells and/or access roads not having an approved plan, or an inadequate plan for surface reclamation (either interim or final reclamation), the operator must submit a proposal describing the procedures for reclamation. For interim reclamation, the appropriate time for submittal would be when filing the Well Completion or Recompletion Report and Log (Form 3160-4). For final reclamation, the appropriate time for submittal would be when filing the Notice of Intent, or the Subsequent Report of Abandonment, Sundry Notices and Reports on Wells (Form 3160-5). Interim reclamation is to be completed within 6 months of well completion, and final reclamation is to be completed within 6 months of well abandonment.

3. The operator must file a Subsequent Report Plug and Abandonment (Form 3160-5) following the plugging of a well.

4. Previous instruction had you waiting for a BLM specialist to inspect the location and provide you with reclamation requirements. If you have an approved Surface Use Plan of Operation and/or an approved Sundry Notice, you are free to proceed with reclamation as per approved APD. If you

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

5. The approved Subsequent Report of Reclamation will be your notice that the native soils, contour and seedbed have been reestablished. If the BLM objectives have not been met the operator will be notified and corrective actions may be required.

6. It is the responsibility of the operator to monitor these locations and/or access roads until such time as the operator feels that the BLM objective has been met. If after two growing seasons the location and/or access roads are not showing the potential for successful revegetation, additional actions may be needed. When you feel the BLM objectives have been met submit a Final Abandonment Notice (FAN), Form 3160-5, stating that all reclamation requirements have been achieved and the location and/or access road is ready for a final abandonment inspection.

7. At this time the BLM specialist will inspect the location and/or access road. If the native soils and contour have been restored, and the revegetation is successful, the FAN will be approved, releasing the operator of any further liability of the location and/or access road. If the location and/or access road have not achieved the objective, you will be notified as to additional work needed or additional time being needed to achieve the objective.

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

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

Arthur Arias
Environmental Protection Specialist
575-234-6230

Crisha Morgan
Environmental Protection Specialist
575-234-5987

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

Mark Mattozzi
Environmental Protection Specialist
575-234-5713

Robert Duenas
Environmental Protection Specialist
575-234-2229

Trishia Bad Bear, Hobbs Field Station
Natural Resource Specialist
575-393-3612

J R Oil, Ltd.

Myers Langlie Mattix Unit #135

Plug & Abandon Procedure

09/14/2022

1. MIRU plugging service.
2. RIH work string, tag CIBP, circulate well w/ MLF. **Leak test first barrier(CIBP) to 500psi, 30mins. Use packer if leaks up-hole**
3. Spot 50 sx cement from CIBP to 2,908'
   a. All cement plugs shall be Class C neat unless approved by BLM
4. WOC & tag
   a. If TOC is beneath 2,944' spot additional cement
5. Spot 25 sx cement from ~~2,786' to 2,539'~~ **2836' - 2708'. Tag and verify**
6. Spot 25 sx cement from ~~1,268' to 1,021'~~ **1318' - 1205'. Tag and verify**
7. Perforate 5-1/2" casing @ 556' and squeeze 50 sx cement from 309' to 556'
8. Perforate 5-1/2" casing @ 150' and circulate cement to surface.
9. Cut off well head 3' beneath grade, top off with cement, weld marker plate, and back fill.
10. Remove all underground piping and surface equipment. Remediate surface location per BLM.

Information

Well

Name: Myers Langlie Mattix Unit #135

API: 30-025-25989

Location: Unit B, section 6, T 24S, R 37E, 760’ FNL, 2,080’ FEL

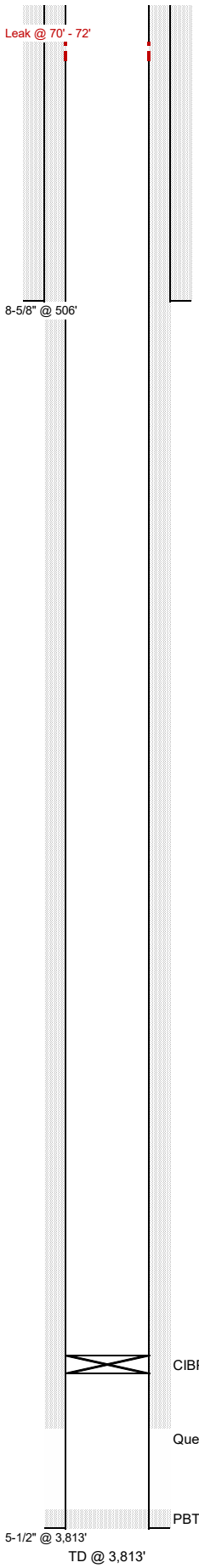
Lat/long: 32.251461, -103.2001648

Directions: From Eunice travel South on Hwy 18.
Turn West (right) onto Deep Wells Rd. and travel 0.6 miles.
Where pavement turns to the North turn South (left) onto dirt road.
Take the second right. This is the well.

Contacts

Company Man in charge:	Bobby Stearns (575) 760-2482
Engineer:	Ian Petersen (432) 634-4922
Production Foreman:	Josh Latimer (575) 414-9188
Pumper:	Charles Cowger (575) 631-7939

JR Oil Ltd. Myers Langlie Mattix Unit #135W



WELL NAME: Myers Langlie Mattix Unit #135W **FORMATION:** Queen **KB:** 9.0
API NO: 30-025-25989 **FIELD:** Langlie Mattix **PBTD:** 3,753
SPUD DATE: July 20, 1978 **COUNTY:** Lea **TD:** 3,813

CASING

	joints	OD	lb/ft	grade	ID (in)	drift (in)	top	bottom
Surface	12	8 5/8	24.00	K-55	8.097	7.972	9'	506'
Production	97	5 1/2	15.50	K-55	4.950	4.825	9'	3,813'

CEMENT & HOLE DATA

	bit size	depth	sacks	TOC
Surface	12 1/4	520'	350	surf.
Production	7 7/8	3,813'	950	surf.

History:

7/20/1978	Spud by Getty Oil Co., **perf Queen**, acidize 2k gal 15% NE w/ BS, frac 40k# 20/40 sand in 28k gal gel water w/ salt, IP 9 BOPD, 5 MCFD, 36 BWPD
2/13/1980	**Frac** 9k# 100-mesh, 24.5k# 20/40 sand in 30k gal gel water, TR 15 TP 2,000 - 2,600, ISIP 900, 5" 800, 15 hrs vac, clean out, replace (6) jts, AFE stated **well was not responding to water flood** but offset #141 responded good after frac
5/7/1980	Water analysis: Na 7.1k, Ca 580, Fe 0.5, TDS 22.3k, pH 6.85
6/24/1983	Scanned & tested tbg
10/7/1994	Lay down rods & tbg, TA'd waiting for conversion to injector
12/12/1994	**Tag fill @ 3,773', holes in surface csg** @ 6' & 12', cut & weld new pipe, back off csg **@ 134', replace w/ 4 jts, clean out to 3,805', perf Queen,** acidize 3k gal 15% HCL NEFE, **pkr wouldn't set/hold from 3,137' to 3,479',** swab, OCD wouldn't approve setting pkr higher, left well uncompleted
6/22/1995	Ran csg inspection log 3,500' to surf., **882' probable hole in ID, 513' - 947'** scattered isolated pitting in OD **20-80% thickness loss**, 1,696' - 1,794', isolated pitting in OD 20-60% loss, 3,235' - 3,422' scattered ID & OD isolated pitting 20-40% loss, **3,457'** isolated pitting in OD **60-80% loss**.
9/26/1995	Set **Guiberson G-6 nickel OD/IPC injection pkr @ 3,407'** on Duo-Line tbg w/ 10 pts tension, circ. pkr fluid, **converted to injection,** 248 BWPD @ 120 psi
1/22/1997	Inj. profile survey, **tag fill @ 3,773', major fluid loss @ 3,638',** no channels
9/4/2007	(WBD printed - well pulled?)
6/13/2022	Tbg on vac, POOH tbg & pkr, tbg OD in good shape, all rings intact, test tbg, all held, RIH test packer, isolate csg leak at 70-72', full returns to surface csg, set CIBP @ 3,402'

PERFORATIONS

top	bottom	zone	status	ttl shots	date
3,502'	3,686'	Queen	active	17	07/20/78
3,541'	3,790'	Queen	active	110	12/12/94

TUBING (NA)

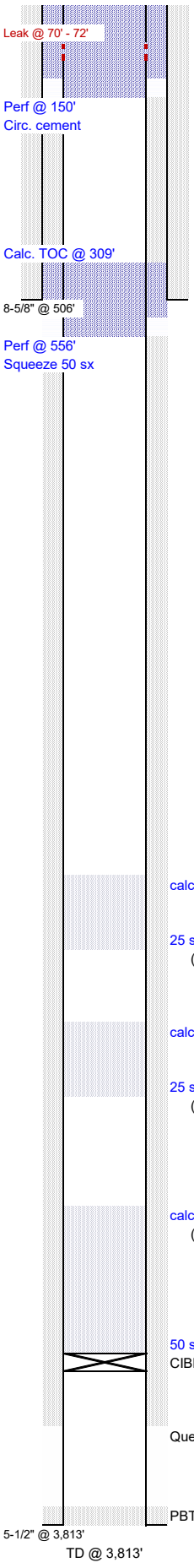
	OD (in)	ID (in)	joints	length (ft)	depth (ft)

RODS (NA)

	OD (in)	grade	rods	length (ft)	depth (ft)

Updated: September 14, 2022 by Ian Petersen

JR Oil Ltd. Myers Langlie Mattix Unit #135W PROPOSED



WELL NAME: Myers Langlie Mattix Unit #135W **FORMATION:** Queen **KB:** 9.0
API NO: 30-025-25989 **FIELD:** Langlie Mattix **PBTD:** 3,753
SPUD DATE: July 20, 1978 **COUNTY:** Lea **TD:** 3,813

CASING

	joints	OD	lb/ft	grade	ID (in)	drift (in)	top	bottom
Surface	12	8 5/8	24.00	K-55	8.097	7.972	9'	506'
Production	97	5 1/2	15.50	K-55	4.950	4.825	9'	3,813'

CEMENT & HOLE DATA

bit size	depth	sacks	TOC
12 1/4	520'	350	surf.
7 7/8	3,813'	950	surf.

History:

7/20/1978	Spud by Getty Oil Co., **perf Queen**, acidize 2k gal 15% NE w/ BS, frac 40k# 20/40 sand in 28k gal gel water w/ salt, IP 9 BOPD, 5 MCFD, 36 BWPD
2/13/1980	**Frac** 9k# 100-mesh, 24.5k# 20/40 sand in 30k gal gel water, TR 15 TP 2,000 - 2,600, ISIP 900, 5" 800, 15 hrs vac, clean out, replace (6) jts, AFE stated **well was not responding to water flood** but offset #141 responded good after frac
5/7/1980	Water analysis: Na 7.1k, Ca 580, Fe 0.5, TDS 22.3k, pH 6.85
6/24/1983	Scanned & tested tbg
10/7/1994	Lay down rods & tbg, TA'd waiting for conversion to injector
12/12/1994	**Tag fill @ 3,773', holes in surface csg** @ 6' & 12', cut & weld new pipe, back off csg **@ 134', replace w/ 4 jts, clean out to 3,805', perf Queen,** acidize 3k gal 15% HCL NEFE, **pkr wouldn't set/hold from 3,137' to 3,479',** swab, OCD wouldn't approve setting pkr higher, left well uncompleted
6/22/1995	Ran csg inspection log 3,500' to surf., **882' probable hole in ID, 513' - 947'** scattered isolated pitting in OD **20-80% thickness loss**, 1,696' - 1,794', isolated pitting in OD 20-60% loss, 3,235' - 3,422' scattered ID & OD isolated pitting 20-40% loss, **3,457'** isolated pitting in OD **60-80% loss**.
9/26/1995	Set **Guiberson G-6 nickel OD/IPC injection pkr @ 3,407'** on Duo-Line tbg w/ 10 pts tension, circ. pkr fluid, **converted to injection,** 248 BWPD @ 120 psi
1/22/1997	Inj. profile survey, **tag fill @ 3,773', major fluid loss @ 3,638',** no channels
9/4/2007	(WBD printed - well pulled?)
6/13/2022	Tbg on vac, POOH tbg & pkr, tbg OD in good shape, all rings intact, test tbg, all held, RIH test packer, isolate csg leak at 70-72', full returns to surface csg, set CIBP @ 3,402'
PROPOSED	Circ. MLF, spot cement plugs, perforate & squeeze shoe, perforate and circ. surface plug

PERFORATIONS

top	bottom	zone	status	ttl shots	date
3,502'	3,686'	Queen	active	17	07/20/78
3,541'	3,790'	Queen	active	110	12/12/94

TUBING (NA)

	OD (in)	ID (in)	joints	length (ft)	depth (ft)

RODS (NA)

	OD (in)	grade	rods	length (ft)	depth (ft)

Updated: September 14, 2022 by Ian Petersen

Sundry ID **2711679**

Plug Type	Top	Bottom	Length	Tag	Sacks	Notes
Surface Plug	0.00	150.00	150.00	Verify circulated to surface	35.00	Operator choosing perf and sqz. Spot if pressuring up. Leak from 70-72'.
Shoe Plug	450.94	556.00	105.06	WOC and Tag	50.00	Operator choosing perf and sqz attempt. Spot of pressuring up
Top of Salt @ 1268	1205.32	1318.00	112.68	WOC and Tag	25.00	
Base of Salt @ 2786	2708.14	2836.00	127.86	WOC and Tag	25.00	
Yates @ 2994	2914.06	3044.00	129.94		50.00	Covered by below plug
CIBP Plug	3367.00	3402.00	35.00	Verify CIBP depth	50.00	Leak test 500psi, 30mins

No more than 2000' is to be allowed between plugs in open hole, and no more than 3000' between plugs in cased hole.
Class H >7500'
Class C<7500'
Fluid used to mix the cement in R111P shall be saturated with the salts common to the section penetrated, and in suitable proportions, but not more than 3% calcium chloride by weight of cement will be considered the desired mixture whenever possible.
Critical, High Cave Karst: Cave Karst depth to surface
R111P: Solid plug in all annuli - 50' from bottom of salt to surface.

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

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

Cave Karst/Potash Cement	Low	500.00

Shoe @	506.00		
Shoe @	3813.00		
Perforatons Top @	3502.00	Perforations	3686.00
		CIBP @	3402.00

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

Permanent Abandonment of Federal Wells
Conditions of Approval

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

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

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

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

2. **Notification: Contact the appropriate BLM office at least 24 hours prior to the commencing of any plugging operations. For wells in Chaves and Roosevelt County, call 575-627-0272; Eddy County, call 575-361-2822; Lea County, call 575-689-5981.**

3. Blowout Preventers: A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.

4. Mud Requirement: Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of **brine** water. Minimum nine (9) pounds per gallon.

5. Cement Requirement: Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. Any plug that requires a tag will have a minimum WOC time of 4 hours.

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

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

6. Dry Hole Marker: All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). **The BLM is to be notified a minimum of 4 hours prior to the wellhead being cut off to verify that cement is to surface in the casing and all annuluses. Wellhead cut off shall commence within ten (10) calendar days of the well being plugged. If the cut off cannot be done by the 10th day, the BLM is to be contacted with justification to receive an extension for completing the cut off.**
The well bore shall then be capped with a 4-inch pipe, 10-feet in length, 4 feet above ground and embedded in cement, unless otherwise noted in COA (requirements will be attached). The following information shall be permanently inscribed on the dry hole marker: well name and number, name of the operator, lease serial number, surveyed location (quarter-quarter section, section, township and range or other authorized survey designation acceptable to the authorized officer such as metes and bounds). A weep hole shall be left if a metal plate is welded in place.

7. Subsequent Plugging Reporting: Within 30 days after plugging work is completed, file one original and three copies of the Subsequent Report of Abandonment, Form 3160-5 to BLM. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. **Show date well was plugged.**

8. Trash: All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.

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

United States Department of the Interior

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

In Reply Refer To: 1310

Reclamation Objectives and Procedures

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

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

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

1. The Application for Permit to Drill or Reenter (APD, Form 3160-3), Surface Use Plan of Operations must include adequate measures for stabilization and reclamation of disturbed lands. Oil and Gas operators must plan for reclamation, both interim and final, up front in the APD process as per Onshore Oil and Gas Order No. 1.

2. For wells and/or access roads not having an approved plan, or an inadequate plan for surface reclamation (either interim or final reclamation), the operator must submit a proposal describing the procedures for reclamation. For interim reclamation, the appropriate time for submittal would be when filing the Well Completion or Recompletion Report and Log (Form 3160-4). For final reclamation, the appropriate time for submittal would be when filing the Notice of Intent, or the Subsequent Report of Abandonment, Sundry Notices and Reports on Wells (Form 3160-5). Interim reclamation is to be completed within 6 months of well completion, and final reclamation is to be completed within 6 months of well abandonment.

3. The operator must file a Subsequent Report Plug and Abandonment (Form 3160-5) following the plugging of a well.

4. Previous instruction had you waiting for a BLM specialist to inspect the location and provide you with reclamation requirements. If you have an approved Surface Use Plan of Operation and/or an approved Sundry Notice, you are free to proceed with reclamation as per approved APD. If you

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

5. The approved Subsequent Report of Reclamation will be your notice that the native soils, contour and seedbed have been reestablished. If the BLM objectives have not been met the operator will be notified and corrective actions may be required.

6. It is the responsibility of the operator to monitor these locations and/or access roads until such time as the operator feels that the BLM objective has been met. If after two growing seasons the location and/or access roads are not showing the potential for successful revegetation, additional actions may be needed. When you feel the BLM objectives have been met submit a Final Abandonment Notice (FAN), Form 3160-5, stating that all reclamation requirements have been achieved and the location and/or access road is ready for a final abandonment inspection.

7. At this time the BLM specialist will inspect the location and/or access road. If the native soils and contour have been restored, and the revegetation is successful, the FAN will be approved, releasing the operator of any further liability of the location and/or access road. If the location and/or access road have not achieved the objective, you will be notified as to additional work needed or additional time being needed to achieve the objective.

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

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

Arthur Arias
Environmental Protection Specialist
575-234-6230

Crisha Morgan
Environmental Protection Specialist
575-234-5987

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

Mark Mattozzi
Environmental Protection Specialist
575-234-5713

Robert Duenas
Environmental Protection Specialist
575-234-2229

Trishia Bad Bear, Hobbs Field Station
Natural Resource Specialist
575-393-3612

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

COMMENTS

Action 219752

COMMENTS

Operator: J R OIL, LTD. CO. P.O. Box 52647 Tulsa, OK 74152	OGRID: 256073
	Action Number: 219752
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

COMMENTS

Created By	Comment	Comment Date
plmartinez	DATA ENTRY PM	5/23/2023

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 219752

CONDITIONS

Operator: J R OIL, LTD. CO. P.O. Box 52647 Tulsa, OK 74152	OGRID: 256073
	Action Number: 219752
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
kfortner	Like approval from BLM	5/23/2023