

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

Well Name: FEDERAL M	Well Location: T18S / R33E / SEC 27 / NWSW /	County or Parish/State: LEA / NM
Well Number: 1	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM96782	Unit or CA Name:	Unit or CA Number:
US Well Number: 300252189300S2	Well Status: Producing Oil Well	Operator: FRANKLIN MOUNTAIN ENERGY 3 LLC

Notice of Intent

Sundry ID: 2730795

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 05/13/2023

Time Sundry Submitted: 10:58

Date proposed operation will begin: 06/01/2023

Procedure Description: Franklin Mountain Energy3, LLC (FME3), Operator, requests approval to plug and abandon the above captioned well per the attached procedure.

Approval Subject to
General Requirements and
Special Stipulations
Attached

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Devon_Workover_with_Tubing_Left_in_Hole__9_26_2013_20230513105826.pdf

Federal_M_001__Current_WBD_20230513105821.pdf

Federal_M_001_P_A_Submission_20230513105806.pdf

Well Name: FEDERAL M

Well Location: T18S / R33E / SEC 27 / NWSW /

County or Parish/State: LEA / NM

Well Number: 1

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM96782

Unit or CA Name:

Unit or CA Number:

US Well Number: 300252189300S2

Well Status: Producing Oil Well

Operator: FRANKLIN MOUNTAIN ENERGY 3 LLC

Operator

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

Operator Electronic Signature: RACHAEL OVERBEY

Signed on: MAY 13, 2023 10:58 AM

Name: FRANKLIN MOUNTAIN ENERGY 3 LLC

Title: Director – Operations Planning and Regulatory

Street Address: 44 COOK STREET, SUITE 1000

City: Denver

State: CO

Phone: (720) 414-7868

Email address: roverbey@fmellc.com

Field

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Email address:

PLUG AND ABANDONMENT CONDITIONS OF APPROVAL

OPERATOR'S NAME:	Franklin Mountain Energy 3 LLC
LEASE NO.:	NMNM96782
WELL NAME & NO.:	Federal M 1
US Well Number:	3002521893
LOCATION:	Section 27, T.18 S., R.33 E., NMPM
COUNTY:	Lea County, New Mexico
Sundry ID:	2730795
Karst:	<input checked="" type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/> Critical
Potash:	<input type="checkbox"/> Secretary <input type="checkbox"/> R111P
Special Area:	<input checked="" type="checkbox"/> Prairie Chicken <input type="checkbox"/> Capitan Reef

- 1) POOH laying down 2-7/8" tbg.
- 2) Set CIBP at 8915'. Leak Test CIBP. Spot 25 sxs of Class H on top.
- 3) Perforate and squeeze from 7433' to 7259'. WOC and Tag. (In 17 sxs/Out 23 sxs) Class C. (Bone Springs)
- 4) Perforate and squeeze from 6068' to 5907'. WOC and Tag. (In 16 sxs/Out 21 sxs) Class C. (Delaware)
- 5) Perforate and squeeze from 5159' to 5007'. WOC and Tag. (In 15 sxs/Out 21 sxs) Class C. (Casing Shoe)
- 6) Perforate and squeeze from 3175' to 2761'. WOC and Tag. (In 40 sxs/Out 56 sxs) Class C. (Yates, Base of Salt)
- 7) Perforate and squeeze from 1580' to 1464'. WOC and Tag. (In 11 sxs/Out 16 sxs/Out 23 sxs) Class C. (Top of Salt)
- 8) Perforate and squeeze from 404' to surface. Verify at surface across all casing annuluses. (In 39 sxs/Out 55 sxs/Out 138 sxs) (Casing Shoe and Surface plug)
- 8) ND BOP and cut off wellhead 5' below surface. RDMO PU, transport trucks, and pump truck.
- 9) Set P&A marker.

Approval Subject to General Requirements and Special Stipulations Attached

- **No more than 3000 feet between cement plugs in cased hole.**
- **Wait on Cement and Tag Top of Cement Requirement:**
 - 1. Shoe, Top of Salt, Base of Salt, DV tool, Perforate and Squeeze, Open Perforation.**
 - 2. Formation plug is optional if a solid base is established and confirmed.**

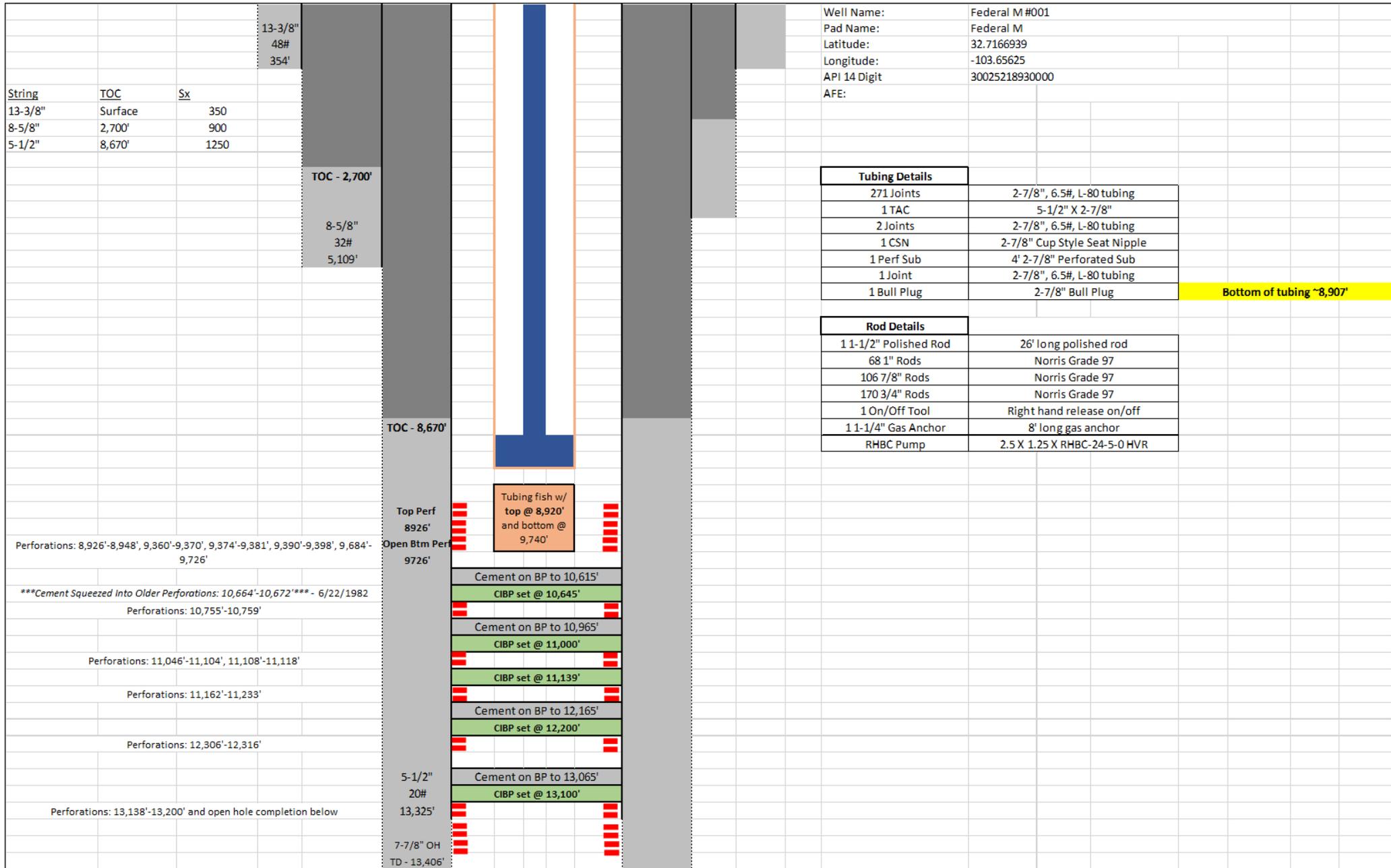
Special Stipulations

PLUG AND ABANDONMENT PROCEDURE

Attached

Federal M #001

Step	Description of Work
1	Prior to job, MIRU WL and run new CBL to confirm cement tops.
2	Provide required notice to regulatory agencies (BLM Lea county office @ 575-393-3612 and NMOCD @ 575-263-6633) 24 hours prior to commencing any plugging operations. Contact Operations Superintendent or lead operator at least 24 hr prior to rig move. Request they confirm location is clean and ready to accept rig.
3	Prepare location for base beam equipped rig. MIRU 2-7/8" tubing string (approximately 9,100'). Ensure that all bradenheads are exposed and that valves are operational prior to rig up.
4	MIRU, monitor pressure on well. If any pressure present, call engineer. ND WH. NU 5M BOP. Unseat landing jt, LD.
5	MIRU WL. Run GR/JB run to ensure 5.5", 20# pipe clear of damage and debris. RIH w/ 5.5", 20# CIBP to 8,915'. Set CIBP.
6	POOH w/ WL. RIH with work string and pump balanced plug place 12 sx of Class H cement on top of CIBP (100' plug in length). Can also dump bail 4 sx of class H cement (35' plug in length).
7	TIH with 2-7/8" tubing to top of plug. Tag and confirm depth of top of cement plug set on CIBP. Roll the hole clean with mud laden fluids. Approximately 197 bbls.
8	TOOH sideways. RUWL & PU perf guns and run down to depth to perf the 5.5" casing and squeeze/plug from 7,483' to 7,283'. WOC 4hrs. TIH and tag plug.
9	TOOH sideways. RUWL & PU perf guns and run down to depth to perf the 5.5" casing and squeeze/plug from 6,118' to 5,918'. WOC 4hrs. TIH and tag plug.
10	TOOH sideways. RUWL & PU perf guns and run down to depth to perf the 5.5" casing and squeeze/plug from 5,159' to 4,959' (casing shoe at 5,109'). WOC 4hrs. TIH and tag plug.
11	TOOH sideways. RUWL & PU perf guns and run down to depth to perf the 5.5" casing and squeeze/plug from 4,393' to 3,768'. WOC 4hrs. TIH and tag plug.
12	TOOH sideways. RUWL & PU perf guns and run down to depth to perf the 5.5" casing and squeeze/plug from 1,769' to 1,569'. WOC 4hrs. TIH and tag plug.
13	TOOH sideways. RUWL & PU perf guns and run down to depth to perf the 5.5" casing and squeeze/plug from 1,525' to 1,325'. If circulation is established, pump until returns are seen on intermediate casing and then fill production casing. WOC 4hrs. TIH and tag plug if necessary.
14	If needed, spot plug to top off 5.5" from 1,325' to surface. We will need to top off the 8-5/8" annulus as well.
15	Instruct cementing and wireline contractors to e-mail copies of all job logs/job summaries and invoices to ecaldwell@fmellc.com within 24 hrs of the completion of the job.
16	Supervisor save all invoices, logs, and reports to well file on cloud file storage drive.
17	Excavation crew to notify One Call to clear excavation area around wellhead and for flowlines.
18	Excavate hole around surface casing enough to allow welder to cut remaining casing strings to bottom of cellar or 3' below ground level (whichever is deeper). BLM is to be notified minimum of 4 hours prior to wellhead being cut off to verify that cement is to surface in the casing and all anuluses. Wellhead cut shall commence within ten (10) calendar days of the well being plugged. Cap well 1/4" steel plate and provide picture and GPS coordinates to NMOCD for record. Leave weep hole.
19	MIRU ready cement mixer. Use 4500 psi compressive strength cement, (NO gravel) fill stubout and 5-1/2" / 8-5/8" annulus to surface. .
20	Spot weld on steel marker plate. Marker should contain Well name, Well number, name of the operator, lease serial number, surveyed location (1/4 1/4 section, section, township, and range) and API number.
21	Properly abandon flowlines.
22	Back fill hole with fill. Clean location, level.
23	Within 30 days after plugging work is completed, file four copies (one original & three copies) of the Subsequent Report of Abandonment, Form 3160-5, to the BLM. 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. Submit required regulatory filings to the NMOCD.
24	Clean location of any trash, junk, and other waste material.





Wellbore: OH

Well Name: FEDERAL M 1

Rpt # 1 Date: 9/20/2013 10:00

Sub-Division DELAWARE BASIN		Region NORTHWEST CORE		Field Name CORBIN		County LEA		State/Province NM	
Surface Legal Location SEC 27 T18S R33E		API/UWI 3002521893		Latitude (°) 32° 43' 0.027" N		Longitude (°) 103° 39' 22.358" W		Orig KB Elevation (ft) 3,805.00	
						Ground Elev MSL (ft) 3,790.00		KB - GL (ft) 15.00	
Well Status History									
Date 8/10/2017		Well Status PRODUCING - ACTIVE			Well Sub-Status			Comment	
Zones									
Zone Name BONE SPRING			Zone ID B		First Production Date		Abandon Date		
Zone Name WOLFCAMP			Zone ID B		First Production Date		Abandon Date		
Zone Name STRAWN			Zone ID B		First Production Date		Abandon Date		
Zone Name MORROW			Zone ID B		First Production Date		Abandon Date		
Jobs									
Job Category WORKOVER		Primary Job Type RESTORE PROD-ROD PUMP		Secondary Job Type ROD PUMP REPAIR		Job Start Date 9/19/2013		Job End Date 10/5/2013	
WBS									
WBS #		Cost Center Number		WBS Type		Total WBS+Sup (Cost)		Total Fid Est (Cost)	
MM-100075.01.WWO		1006072701		WELL WORKOVER		\$106,800		\$87,090	
WBS-Field (Cost) \$19,710									
Job Phase									
Job Phase		Actual Dur (days)		Phase Field Est (Cost)		Planned Likely Phase Cost (Cost)		Cost Var ML (Cost)	
Safety Incidents									
Date		Type						Rpt Filed?	
Rig									
Rig LUCKY WELL SERVICE, 107			Rig Type WO/COMP/PU-ONSHORE			Rig Subtype MOBILE CARRIER		Rig Start Date 9/19/2013	
Rig End Date 10/4/2013									
Safety									
Days LTI (days)		Days RI (days)		# Safe/Stop		# Near Misses		Head Count 7	
								Personnel Total Hours (hr) 52	
								Cum Pers Hrs (hr) 52	
Confirm No Emission No									
Daily Operations									
Operations at Report Time				24 Hour Forecast				Last Phase	
24 Hour Summary MIPU. TEST DEADMEN ONE FAILED. MOPU.									
Planned Days (days) 0.00		Job % Complete (%)		Daily Cost (Cost) \$5,367		Cum Field Est To Date (Cost) \$5,367		Total WBS + Sup Amount (Cost) \$106,800	
NPT Analysis to Date									
Time Log Total Hours (hr) 8.00		Problem Time Hours (hr) 0.00		Daily NPT Percent (%) 0.00		Cum Time Log Total (hr) 71.50		Cum Job NPT (hr)	
Cum Job NPT (%)									
Daily Contacts									
Job Contact					Office				
MCMAHAN, MIKE, LEASE OPERATOR									
LEWIS, MERLE, LEASE OPERATOR TECHN									
CASTILLO, JAIME, LEASE OPERATOR									
Time Log									
Start Time	Dur (hr)	End Time	Ops Status	Operation	Description				NPT
10:00	8.00	18:00		RD PU TO LOC. HAD DEAD MAN TESTED ONE FAILED. MOPU.					
Daily Cost Summary									
Custom WBS Alloc		GL Acct		Des		Vendor		Field Est (Cost)	
MM-100075.01.WWO, WELL WORKOVER		6010100		EMPLOYEE SALARIES		DEVON ENERGY		500.00	
MM-100075.01.WWO, WELL WORKOVER		6080110		DISP-SALTWATER & OTH		TRM LLC		1,500.00	
MM-100075.01.WWO, WELL WORKOVER		6170100		PULLING&SWABBING SVC		LUCKY SERVICES		2,366.97	
MM-100075.01.WWO, WELL WORKOVER		6200110		INSPECTION SERVICES		HOBBS ANCHOR		1,000.00	
Cumulative Mud Volumes									
Additions (bbl) 0.0		Cum Additions (bbl) 0.0		Losses (bbl) 0.0		Cum Losses (bbl) 0.0			
Mud Volumes									
Tank/Addition/Loss				Type			Volume (bbl)		
Wellbores									
Wellbore Name OH		Total Depth (ftKB) 13,406.00		Max TVD (ftKB)		PBTD (All) (ftKB)		Drilled Depth (ft)	
Wellhead and Christmas Tree Systems									
Type							Start Date		
Des		Make		Model		WP (psi)		Bore Min (in)	
Casing Strings									
Csg Des		OD (in)		ID (in)		Wt/Len (lb/ft)		Grade	
SURFACE 1		13 3/8		12.715		48.00		H-40	
INTERMEDIATE 1		8 5/8		7.921		32.00		J-55	
PRODUCTION 1		5 1/2		4.778		20.00		N-80	
Top Thread Set Depth (ftKB) 354.0 5,109.0 13,315.0									
Tubing String: <des> set at <depthbtm>ftKB on <dtmrun>									
Tubing Description		Run Date		String Length (ft)			Set Depth / EOT (ftKB)		
Comment									
Item Des	Jts	Make	Model	OD (in)	ID (in)	Wt (lb/ft)	Grade	Connections	Inner Coating
Rod Strings									
Rod Description ROD		Run Date 7/31/2012		String Length (ft) 8,978.00			Set Depth (ftKB) 8,978.0		
Item Des	Jts	Make	Model	OD (in)	Grade	Len (ft)			
Polished Rod	1	Norris	Alloy Steel	1 1/2		26.00			
PONY RODS 4', 6', & 8'	3	Norris	Grade 97	1	N-97	18.00			
Sucker Rod	101	Norris	Grade 97	1	N-97	2,525.00			
Sucker Rod	76	Norris	Grade 97	7/8	N-97	1,900.00			
Sucker Rod	179	Norris	Grade 97	3/4	N-97	4,475.00			



Wellbore: OH

Well Name: FEDERAL M 1

Rpt # 1 Date: 9/20/2013 10:00

Sub-Division DELAWARE BASIN		Region NORTHWEST CORE		Field Name CORBIN		County LEA		State/Province NM			
Surface Legal Location SEC 27 T18S R33E		API/UWI 3002521893		Latitude (°) 32° 43' 0.027" N		Longitude (°) 103° 39' 22.358" W		Orig KB Elevation (ft) 3,805.00			
						Ground Elev MSL (ft) 3,790.00		KB - GL (ft) 15.00			
Item Des		Jts		Make		Model		OD (in)			
Rod Pump		1						1 1/2			
Gas Anchor		1						1 1/2			
Grade		Len (ft)									
Other Strings											
Des		Top (ftKB)		Set Depth (ftKB)		Top Thread		String Max Nominal OD (in)			
Other In Hole: <szodnom> in, <des>											
Run Date		Description			Make		Model				
Top Depth (ftKB)		Bottom Depth (ftKB)			ID (in)		OD (in)				
Perforation Intervals											
Date		Linked Zone			Current Status		Top (ftKB)		Btm (ftKB)		
Stimulation Intervals											
Start Date		Type	Zone		Stim/Treat Supervisor		Stage #	Proppant Designed (lb)			
Pumping Summary											
Vol Clean (bbl)		Pmp Stg Typ									
Production Settings											
Production Method			Production Method Details			Start Date		End Date			
Rod Pump Details											
Current Stroke Length (in)				Rotation Direction			Strokes Per Minute (spm)				
Flowing Well Details											
Choke Size [#/64"] (in)											
Production Test (Last 4)											
Date	Dur (hr)	Completion/Zone	Q Oil (bbl/day)	Rate Gas (MCF/day)	Q Water (bbl/day)	Tub Pres (psi)	Cas Pres (psi)	Min Cross/Choke (1/64")	Vol CO2 (ft³)	Vol N2 (ft³)	Fluid Level (ftKB)



Wellbore: OH

Well Name: FEDERAL M 1

Rpt # 2 Date: 9/25/2013 05:00

Sub-Division DELAWARE BASIN		Region NORTHWEST CORE		Field Name CORBIN		County LEA		State/Province NM	
Surface Legal Location SEC 27 T18S R33E		API/UWI 3002521893		Latitude (°) 32° 43' 0.027" N		Longitude (°) 103° 39' 22.358" W		Orig KB Elevation (ft) 3,805.00	
						Ground Elev MSL (ft) 3,790.00		KB - GL (ft) 15.00	
Well Status History									
Date 8/10/2017		Well Status PRODUCING - ACTIVE			Well Sub-Status			Comment	
Zones									
Zone Name BONE SPRING		Zone ID B			First Production Date			Abandon Date	
Zone Name WOLFCAMP		Zone ID B			First Production Date			Abandon Date	
Zone Name STRAWN		Zone ID B			First Production Date			Abandon Date	
Zone Name MORROW		Zone ID B			First Production Date			Abandon Date	
Jobs									
Job Category WORKOVER		Primary Job Type RESTORE PROD-ROD PUMP			Secondary Job Type ROD PUMP REPAIR			Job Start Date 9/19/2013	
								Job End Date 10/5/2013	
WBS									
WBS #		Cost Center Number		WBS Type		Total WBS+Sup (Cost)		Total Fid Est (Cost)	
MM-100075.01.WWO		1006072701		WELL WORKOVER		\$106,800		\$87,090	
								WBS-Field (Cost) \$19,710	
Job Phase									
Job Phase		Actual Dur (days)		Phase Field Est (Cost)		Planned Likely Phase Cost (Cost)		Cost Var ML (Cost)	
Safety Incidents									
Date		Type			Rpt Filed?				
Rig									
Rig LUCKY WELL SERVICE, 107			Rig Type WO/COMP/PU-ONSHORE			Rig Subtype MOBILE CARRIER		Rig Start Date 9/19/2013	
								Rig End Date 10/4/2013	
Safety									
Days LTI (days)		Days RI (days)		# Safe/Stop		# Near Misses		Head Count 6	
								Personnel Total Hours (hr) 48	
								Cum Pers Hrs (hr) 100	
								Confirm No Emission No	
Daily Operations									
Operations at Report Time				24 Hour Forecast				Last Phase	
24 Hour Summary									
PULL RODS AND PUMP OUT OF HOLE.									
Planned Days (days)		Job % Complete (%)		Daily Cost (Cost)		Cum Field Est To Date (Cost)		Total WBS + Sup Amount (Cost)	
0.00				\$3,087		\$8,454		\$106,800	
NPT Analysis to Date									
Time Log Total Hours (hr)		Problem Time Hours (hr)		Daily NPT Percent (%)		Cum Time Log Total (hr)		Cum Job NPT (hr)	
8.00		0.00		0.00		71.50			
Daily Contacts									
Job Contact					Office				
MCMAHAN, MIKE, LEASE OPERATOR									
LEWIS, MERLE, LEASE OPERATOR TECHN									
CASTILLO, JAIME, LEASE OPERATOR									
Time Log									
Start Time	Dur (hr)	End Time	Ops Status	Operation	Description	NPT			
10:00	8.00	18:00			RD CREW TO LOC. 5 MIN SAFETY MEETING. MIPURU. POOH WITH RODS AND PUMP. PUMP WAS PARTED. SDON.				
Daily Cost Summary									
Custom WBS Alloc		GL Acct		Des		Vendor		Field Est (Cost)	
MM-100075.01.WWO, WELL WORKOVER		6010100		EMPLOYEE SALARIES		DEVON ENERGY		500.00	
MM-100075.01.WWO, WELL WORKOVER		6170100		PULLING&SWABBING SVC		STANDARD ENERGY SERVICES		2,586.64	
Cumulative Mud Volumes									
Additions (bbi)		Cum Additions (bbi)		Losses (bbi)		Cum Losses (bbi)			
0.0		0.0		0.0		0.0			
Mud Volumes									
Tank/Addition/Loss				Type		Volume (bbi)			
Wellbores									
Wellbore Name		Total Depth (ftKB)		Max TVD (ftKB)		PBTD (All) (ftKB)		Drilled Depth (ft)	
OH		13,406.00							
Wellhead and Christmas Tree Systems									
Type							Start Date		
Des		Make		Model		WP (psi)		Bore Min (in)	
Casing Strings									
Csg Des		OD (in)		ID (in)		Wt/Len (lb/ft)		Grade	
SURFACE 1		13 3/8		12.715		48.00		H-40	
INTERMEDIATE 1		8 5/8		7.921		32.00		J-55	
PRODUCTION 1		5 1/2		4.778		20.00		N-80	
								Top Thread	
								Set Depth (ftKB)	
								354.0	
								5,109.0	
								13,315.0	
Tubing String: <des> set at <depthbtm>ftKB on <dtmrun>									
Tubing Description			Run Date			String Length (ft)		Set Depth / EOT (ftKB)	
Comment									
Item Des		Jts		Make		Model		OD (in)	
Rod Strings									
Rod Description			Run Date			String Length (ft)		Set Depth (ftKB)	
ROD			7/31/2012			8,978.00		8,978.0	
Item Des		Jts		Make		Model		OD (in)	
Polished Rod		1		Norris		Alloy Steel		1 1/2	
PONY RODS 4', 6', & 8'		3		Norris		Grade 97		1 N-97	
Sucker Rod		101		Norris		Grade 97		1 N-97	
Sucker Rod		76		Norris		Grade 97		7/8 N-97	
Sucker Rod		179		Norris		Grade 97		3/4 N-97	
Rod Pump		1						1 1/2	
								Len (ft)	
								26.00	
								18.00	
								2,525.00	
								1,900.00	
								4,475.00	
								22.00	



Wellbore: OH

Well Name: FEDERAL M 1

Rpt # 2 Date: 9/25/2013 05:00

Sub-Division DELAWARE BASIN		Region NORTHWEST CORE		Field Name CORBIN		County LEA		State/Province NM			
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								Ground Elev MSL (ft) 3,790.00			
								KB - GL (ft) 15.00			
Item Des		Jts		Make		Model		OD (in)			
		1						1 1/2			
Grade		Len (ft)									
								12.00			
Other Strings											
Des		Top (ftKB)		Set Depth (ftKB)		Top Thread		String Max Nominal OD (in)			
Other In Hole: <szodnom> in, <des>											
Run Date		Description		Make		Model					
Top Depth (ftKB)		Bottom Depth (ftKB)		ID (in)		OD (in)					
Perforation Intervals											
Date		Linked Zone		Current Status		Top (ftKB)		Btm (ftKB)			
Stimulation Intervals											
Start Date		Type		Zone		Stim/Treat Supervisor		Stage #			
Proppant Designed (lb)											
Pumping Summary											
Vol Clean (bbl)				Pmp Stg Typ							
Production Settings											
Production Method		Production Method Details		Start Date		End Date					
Rod Pump Details											
Current Stroke Length (in)		Rotation Direction		Strokes Per Minute (spm)							
Flowing Well Details											
Choke Size [# / 64"] (in)											
Production Test (Last 4)											
Date	Dur (hr)	Completion/Zone	Q Oil (bbl/day)	Rate Gas (MCF/day)	Q Water (bbl/day)	Tub Pres (psi)	Gas Pres (psi)	Min Cross/Choke (1/64")	Vol CO2 (ft³)	Vol N2 (ft³)	Fluid Level (ftKB)



Wellbore: OH

Well Name: FEDERAL M 1

Rpt # 3 Date: 9/26/2013 05:00

Sub-Division DELAWARE BASIN		Region NORTHWEST CORE		Field Name CORBIN		County LEA		State/Province NM	
Surface Legal Location SEC 27 T18S R33E		API/UWI 3002521893		Latitude (°) 32° 43' 0.027" N		Longitude (°) 103° 39' 22.358" W		Orig KB Elevation (ft) 3,805.00	
						Ground Elev MSL (ft) 3,790.00		KB - GL (ft) 15.00	
Well Status History									
Date 8/10/2017		Well Status PRODUCING - ACTIVE			Well Sub-Status			Comment	
Zones									
Zone Name BONE SPRING		Zone ID B			First Production Date		Abandon Date		
Zone Name WOLFCAMP		Zone ID B			First Production Date		Abandon Date		
Zone Name STRAWN		Zone ID B			First Production Date		Abandon Date		
Zone Name MORROW		Zone ID B			First Production Date		Abandon Date		
Jobs									
Job Category WORKOVER		Primary Job Type RESTORE PROD-ROD PUMP			Secondary Job Type ROD PUMP REPAIR		Job Start Date 9/19/2013		Job End Date 10/5/2013
WBS									
WBS # MM-100075.01.WWO		Cost Center Number 1006072701		WBS Type WELL WORKOVER		Total WBS+Sup (Cost) \$106,800		Total Fid Est (Cost) \$87,090	
								WBS-Field (Cost) \$19,710	
Job Phase									
Job Phase		Actual Dur (days)		Phase Field Est (Cost)		Planned Likely Phase Cost (Cost)		Cost Var ML (Cost)	
Safety Incidents									
Date		Type						Rpt Filed?	
Rig									
Rig LUCKY WELL SERVICE, 107			Rig Type WO/COMP/PU-ONSHORE			Rig Subtype MOBILE CARRIER		Rig Start Date 9/19/2013	
						Rig End Date 10/4/2013			
Safety									
Days LTI (days)		Days RI (days)		# Safe/Stop		# Near Misses		Head Count 7	
								Personnel Total Hours (hr) 70	
								Cum Pers Hrs (hr) 170	
								Confirm No Emission No	
Daily Operations									
Operations at Report Time				24 Hour Forecast				Last Phase	
24 Hour Summary POOH WITH TBG & BOTTOM OF PUMP.									
Planned Days (days) 0.00		Job % Complete (%)		Daily Cost (Cost) \$4,887		Cum Field Est To Date (Cost) \$13,340		Total WBS + Sup Amount (Cost) \$106,800	
NPT Analysis to Date									
Time Log Total Hours (hr) 10.00		Problem Time Hours (hr) 0.00		Daily NPT Percent (%) 0.00		Cum Time Log Total (hr) 71.50		Cum Job NPT (hr)	
								Cum Job NPT (%)	
Daily Contacts									
Job Contact MCMAHAN, MIKE, LEASE OPERATOR LEWIS, MERLE, LEASE OPERATOR TECHN CASTILLO, JAIME, LEASE OPERATOR						Office			
Time Log									
Start Time	Dur (hr)	End Time	Ops Status	Operation	Description	NPT			
05:00	10.00	15:00			RD CREW TO LOC. 5 MIN SAFETY MEETING. BLEED PSI OFF OF WELL RIG UP BOP. TRY TO RELEASE TAC. TONGS BROKE. HAD TO GET NEW ONES. PUMP WATER DOWN BACK SIDE TO LOOSEN UP TAC. SDON.				
Daily Cost Summary									
Custom WBS Alloc		GL Acct		Des		Vendor		Field Est (Cost)	
MM-100075.01.WWO, WELL WORKOVER		6010100		EMPLOYEE SALARIES		DEVON ENERGY		500.00	
MM-100075.01.WWO, WELL WORKOVER		6020100		CONTRACT LABOR		TRM LLC		1,800.00	
MM-100075.01.WWO, WELL WORKOVER		6170100		PULLING&SWABBING SVC		STANDARD ENERGY SERVICES		2,586.64	
Cumulative Mud Volumes									
Additions (bbl) 0.0		Cum Additions (bbl) 0.0			Losses (bbl) 0.0		Cum Losses (bbl) 0.0		
Mud Volumes									
Tank/Addition/Loss				Type			Volume (bbl)		
Wellbores									
Wellbore Name OH		Total Depth (ftKB) 13,406.00		Max TVD (ftKB)		PBTD (Alt) (ftKB)		Drilled Depth (ft)	
Wellhead and Christmas Tree Systems									
Type							Start Date		
Des		Make			Model		WP (psi)		Bore Min (in)
Casing Strings									
Csg Des		OD (in)		ID (in)		Wt/Len (lb/ft)		Grade	
SURFACE 1		13 3/8		12.715		48.00		H-40	
INTERMEDIATE 1		8 5/8		7.921		32.00		J-55	
PRODUCTION 1		5 1/2		4.778		20.00		N-80	
								Top Thread	
								Set Depth (ftKB) 354.0	
								5,109.0	
								13,315.0	
String: <des> set at <depthbtm>ftKB on <dtmrun>									
Tubing Description			Run Date			String Length (ft)		Set Depth / EOT (ftKB)	
Comment									
Item Des		Jts	Make	Model	OD (in)	ID (in)	Wt (lb/ft)	Grade	Connections
Rod Strings									
Rod Description ROD		Run Date 7/31/2012			String Length (ft) 8,978.00		Set Depth (ftKB) 8,978.0		
Item Des		Jts	Make	Model	OD (in)	Grade	Len (ft)	Top (ftKB)	
Polished Rod		1	Norris	Alloy Steel	1 1/2		26.00		
PONY RODS 4', 6', & 8'		3	Norris	Grade 97		1 N-97	18.00		
Sucker Rod		101	Norris	Grade 97		1 N-97	2,525.00		
Sucker Rod		76	Norris	Grade 97		7/8 N-97	1,900.00		



Wellbore: OH

Well Name: FEDERAL M 1

Rpt # 3 Date: 9/26/2013 05:00

Sub-Division DELAWARE BASIN		Region NORTHWEST CORE		Field Name CORBIN		County LEA		State/Province NM			
Surface Legal Location SEC 27 T18S R33E		API/UWI 3002521893		Latitude (°) 32° 43' 0.027" N		Longitude (°) 103° 39' 22.358" W		Orig KB Elevation (ft) 3,805.00			
						Ground Elev MSL (ft) 3,790.00		KB - GL (ft) 15.00			
Item Des		Jts		Make		Model		OD (in)			
Sucker Rod		179		Norris		Grade 97		3/4 N-97			
Rod Pump		1						1 1/2			
Gas Anchor		1						1 1/2			
Other Strings											
Des		Top (ftKB)		Set Depth (ftKB)		Top Thread		String Max Nominal OD (in)			
Other In Hole: <szodnom> in, <des>											
Run Date		Description		Make		Model					
Top Depth (ftKB)		Bottom Depth (ftKB)		ID (in)		OD (in)					
Perforation Intervals											
Date		Linked Zone		Current Status		Top (ftKB)		Btm (ftKB)			
Stimulation Intervals											
Start Date		Type		Zone		Stim/Treat Supervisor		Stage #			
								Proppant Designed (lb)			
Pumping Summary											
Vol Clean (bbl)		Pmp Stg Typ									
Production Settings											
Production Method			Production Method Details			Start Date		End Date			
Rod Pump Details											
Current Stroke Length (in)				Rotation Direction			Strokes Per Minute (spm)				
Flowing Well Details											
Choke Size [#64"] (in)											
Production Test (Last 4)											
Date	Dur (hr)	Completion/Zone	Q Oil (bbl/day)	Rate Gas (MCF/day)	Q Water (bbl/day)	Tub Pres (psi)	Cas Pres (psi)	Min Cross/Choke (1/64")	Vol CO2 (ft³)	Vol N2 (ft³)	Fluid Level (ftKB)



Wellbore: OH

Well Name: FEDERAL M 1

Rpt # 4 Date: 10/1/2013 05:00

Sub-Division DELAWARE BASIN		Region NORTHWEST CORE		Field Name CORBIN		County LEA		State/Province NM	
Surface Legal Location SEC 27 T18S R33E		API/UWI 3002521893		Latitude (°) 32° 43' 0.027" N		Longitude (°) 103° 39' 22.358" W		Orig KB Elevation (ft) 3,805.00	
						Ground Elev MSL (ft) 3,790.00		KB - GL (ft) 15.00	
Well Status History									
Date 8/10/2017		Well Status PRODUCING - ACTIVE			Well Sub-Status			Comment	
Zones									
Zone Name BONE SPRING		Zone ID B			First Production Date			Abandon Date	
Zone Name WOLFCAMP		Zone ID B			First Production Date			Abandon Date	
Zone Name STRAWN		Zone ID B			First Production Date			Abandon Date	
Zone Name MORROW		Zone ID B			First Production Date			Abandon Date	
Jobs									
Job Category WORKOVER		Primary Job Type RESTORE PROD-ROD PUMP			Secondary Job Type ROD PUMP REPAIR			Job Start Date 9/19/2013	
								Job End Date 10/5/2013	
WBS									
WBS #		Cost Center Number		WBS Type		Total WBS+Sup (Cost)		Total Fid Est (Cost)	
MM-100075.01.WWO		1006072701		WELL WORKOVER		\$106,800		\$87,090	
								WBS-Field (Cost) \$19,710	
Job Phase									
Job Phase		Actual Dur (days)		Phase Field Est (Cost)		Planned Likely Phase Cost (Cost)		Cost Var ML (Cost)	
Safety Incidents									
Date		Type			Rpt Filed?				
Rig									
Rig LUCKY WELL SERVICE, 107			Rig Type WO/COMP/PU-ONSHORE			Rig Subtype MOBILE CARRIER		Rig Start Date 9/19/2013	
								Rig End Date 10/4/2013	
Safety									
Days LTI (days)		Days RI (days)		# Safe/Stop		# Near Misses		Head Count 11	
								Personnel Total Hours (hr) 70	
								Cum Pers Hrs (hr) 240	
								Confirm No Emission Yes	
Daily Operations									
Operations at Report Time NONE		24 Hour Forecast FINISH TOOH W/TBG. PU PVERSHOT & JARS TIH TRY AND JAR TAIL PIPE OUT					Last Phase		
24 Hour Summary COULDN'T RELEASE TAC FREE POINT TBG AND CUT OFF									
Planned Days (days) 0.00		Job % Complete (%)		Daily Cost (Cost) \$14,200		Cum Field Est To Date (Cost) \$27,540		Total WBS + Sup Amount (Cost) \$106,800	
NPT Analysis to Date									
Time Log Total Hours (hr) 14.00		Problem Time Hours (hr) 0.00		Daily NPT Percent (%) 0.00		Cum Time Log Total (hr) 71.50		Cum Job NPT (hr)	
								Cum Job NPT (%)	
Daily Contacts									
Job Contact					Office				
MCMAHAN, MIKE, LEASE OPERATOR LEWIS, MERLE, LEASE OPERATOR TECHN CASTILLO, JAIME, LEASE OPERATOR									
Time Log									
Start Time	Dur (hr)	End Time	Ops Status	Operation	Description				NPT
05:00	14.00	19:00	ACTIVE	WIRELINE	TAILGATE MEETING. TRIED RELEASING TAC COULDN'T EVER FIND A NEUTRAL POINT CALLED W/L TO FREE POINT. RU W/L RIH FREE POINT TBG @ 8596 TAC @ 8608 DECIDED TO CUT OFF BELOW TAC AND TRY TO RELEASE. POOH LD TOOLS. PU CUTTER RIH CUT TBG @ 8614 POOH RD W/L TURNED TBG TO RIGHT RELEASED TAC TOOH W/120 JTS SWI.				
Daily Cost Summary									
Custom WBS Alloc		GL Acct		Des		Vendor		Field Est (Cost)	
MM-100075.01.WWO, WELL WORKOVER		6010100		EMPLOYEE SALARIES		DEVON ENERGY		800.00	
MM-100075.01.WWO, WELL WORKOVER		6020100		CONTRACT LABOR		TRM LLC		1,800.00	
MM-100075.01.WWO, WELL WORKOVER		6150100		CH LOG PERFRTG&WL SV		BLACK WARRIOR WIRELINE		8,100.00	
MM-100075.01.WWO, WELL WORKOVER		6170100		PULLING&SWABBING SVC		STANDARD ENERGY SERVICES		3,500.00	
Cumulative Mud Volumes									
Additions (bbl) 0.0		Cum Additions (bbl) 0.0		Losses (bbl) 0.0		Cum Losses (bbl) 0.0			
Mud Volumes									
Tank/Addition/Loss					Type			Volume (bbl)	
Wellbores									
Wellbore Name OH		Total Depth (ftKB) 13,406.00		Max TVD (ftKB)		PBTD (All) (ftKB)		Drilled Depth (ft)	
Wellhead and Christmas Tree Systems									
Type							Start Date		
Des		Make			Model		WP (psi)		Bore Min (in)
Casing Strings									
Csg Des		OD (in)		ID (in)		Wt/Len (lb/ft)		Grade	
SURFACE 1		13 3/8		12.715		48.00		H-40	
INTERMEDIATE 1		8 5/8		7.921		32.00		J-55	
PRODUCTION 1		5 1/2		4.778		20.00		N-80	
Tubing String: <des> set at <depthbtm>ftKB on <dtmrun>									
Tubing Description			Run Date			String Length (ft)		Set Depth / EOT (ftKB)	
Comment									
Item Des		Jts	Make	Model	OD (in)	ID (in)	Wt (lb/ft)	Grade	Connections
Rod Strings									
Rod Description ROD			Run Date 7/31/2012			String Length (ft) 8,978.00		Set Depth (ftKB) 8,978.0	
Item Des		Jts	Make	Model	OD (in)	Grade	Len (ft)		
Polished Rod		1	Norris	Alloy Steel			1 1/2	26.00	



Wellbore: OH

Well Name: FEDERAL M 1

Rpt # 4 Date: 10/1/2013 05:00

Sub-Division DELAWARE BASIN		Region NORTHWEST CORE		Field Name CORBIN		County LEA		State/Province NM			
Surface Legal Location SEC 27 T18S R33E		API/UWI 3002521893		Latitude (°) 32° 43' 0.027" N		Longitude (°) 103° 39' 22.358" W		Orig KB Elevation (ft) 3,805.00			
						Ground Elev MSL (ft) 3,790.00		KB - GL (ft) 15.00			
Item Des		Jts		Make		Model		OD (in)			
PONY RODS 4', 6', & 8'		3		Norris		Grade 97		1 N-97			
Sucker Rod		101		Norris		Grade 97		1 N-97			
Sucker Rod		76		Norris		Grade 97		7/8 N-97			
Sucker Rod		179		Norris		Grade 97		3/4 N-97			
Rod Pump		1						1 1/2			
Gas Anchor		1						1 1/2			
Len (ft)								18.00			
								2,525.00			
								1,900.00			
								4,475.00			
								22.00			
								12.00			
Other Strings											
Des		Top (ftKB)		Set Depth (ftKB)		Top Thread		String Max Nominal OD (in)			
Other In Hole: <szodnom> in, <des>											
Run Date		Description			Make		Model				
Top Depth (ftKB)		Bottom Depth (ftKB)			ID (in)		OD (in)				
Perforation Intervals											
Date		Linked Zone		Current Status		Top (ftKB)		Btm (ftKB)			
Stimulation Intervals											
Start Date		Type		Zone		Stim/Treat Supervisor		Stage #			
Proppant Designed (lb)											
Pumping Summary											
Vol Clean (bbl)		Pmp Stg Typ									
Production Settings											
Production Method		Production Method Details			Start Date		End Date				
Rod Pump Details											
Current Stroke Length (in)				Rotation Direction			Strokes Per Minute (spm)				
Flowing Well Details											
Choke Size [#64"] (in)											
Production Test (Last 4)											
Date	Dur (hr)	Completion/Zone	Q Oil (bbl/day)	Rate Gas (MCF/day)	Q Water (bbl/day)	Tub Pres (psi)	Gas Pres (psi)	Min Cross/Choke (1/64")	Vol CO2 (ft³)	Vol N2 (ft³)	Fluid Level (ftKB)



Wellbore: OH

Well Name: FEDERAL M 1

Rpt # 5 Date: 10/2/2013 05:00

Sub-Division DELAWARE BASIN		Region NORTHWEST CORE		Field Name CORBIN		County LEA		State/Province NM	
Surface Legal Location SEC 27 T18S R33E		API/UWI 3002521893		Latitude (°) 32° 43' 0.027" N		Longitude (°) 103° 39' 22.358" W		Orig KB Elevation (ft) 3,805.00	
						Ground Elev MSL (ft) 3,790.00		KB - GL (ft) 15.00	
Well Status History									
Date 8/10/2017		Well Status PRODUCING - ACTIVE			Well Sub-Status			Comment	
Zones									
Zone Name BONE SPRING		Zone ID B			First Production Date		Abandon Date		
Zone Name WOLFCAMP		Zone ID B			First Production Date		Abandon Date		
Zone Name STRAWN		Zone ID B			First Production Date		Abandon Date		
Zone Name MORROW		Zone ID B			First Production Date		Abandon Date		
Jobs									
Job Category WORKOVER		Primary Job Type RESTORE PROD-ROD PUMP			Secondary Job Type ROD PUMP REPAIR		Job Start Date 9/19/2013		Job End Date 10/5/2013
WBS									
WBS # MM-100075.01.WWO		Cost Center Number 1006072701		WBS Type WELL WORKOVER		Total WBS+Sup (Cost) \$106,800		Total Fid Est (Cost) \$87,090	
								WBS-Field (Cost) \$19,710	
Job Phase									
Job Phase		Actual Dur (days)		Phase Field Est (Cost)		Planned Likely Phase Cost (Cost)		Cost Var ML (Cost)	
Safety Incidents									
Date		Type					Rpt Filed?		
Rig									
Rig LUCKY WELL SERVICE, 107			Rig Type WO/COMP/PU-ONSHORE			Rig Subtype MOBILE CARRIER		Rig Start Date 9/19/2013	
								Rig End Date 10/4/2013	
Safety									
Days LTI (days)		Days RI (days)		# Safe/Stop		# Near Misses		Head Count 12	
								Personnel Total Hours (hr) 144	
								Cum Pers Hrs (hr) 384	
								Confirm No Emission Yes	
Daily Operations									
Operations at Report Time NONE			24 Hour Forecast TOOH LD DC PU OVER SHOT ONLY TIH FREE POINT CUT ODD TGB				Last Phase		
24 Hour Summary TIH W/FISH TOOLS TRY TO RECOVER TAIL PIPE									
Planned Days (days) 0.00		Job % Complete (%)		Daily Cost (Cost) \$26,500		Cum Field Est To Date (Cost) \$54,040		Total WBS + Sup Amount (Cost) \$106,800	
NPT Analysis to Date									
Time Log Total Hours (hr) 14.00		Problem Time Hours (hr) 0.00		Daily NPT Percent (%) 0.00		Cum Time Log Total (hr) 71.50		Cum Job NPT (hr)	
								Cum Job NPT (%)	
Daily Contacts									
Job Contact					Office				
MCMAHAN, MIKE, LEASE OPERATOR									
LEWIS, MERLE, LEASE OPERATOR TECHN									
CASTILLO, JAIME, LEASE OPERATOR									
Time Log									
Start Time	Dur (hr)	End Time	Ops Status	Operation	Description				NPT
05:00	14.00	19:00	ACTIVE	FISH	FINISH TOOH W/145 JTS 2 7/8, 5 1/2 TAC AND 6' PIECE FOR A TOTAL OF 265 JTS. PU 4 11/16 O/S, BUMPER SUB, JARS, 6 3 1/2 DC, ACCELERATOR, XO 259 JTS CATCH FISH @ 8590'. JAR FOR 3.5 HRS DIDNT MAKE ANY HOLE AT ALL. DECIDED TO FREE POINT AGAIN. RELEASE FISH TOOL TOOH W/222 JTS SWI.				
Daily Cost Summary									
Custom WBS Alloc		GL Acct		Des		Vendor		Field Est (Cost)	
MM-100075.01.WWO, WELL WORKOVER		6010100		EMPLOYEE SALARIES		DEVON ENERGY		800.00	
MM-100075.01.WWO, WELL WORKOVER		6020100		CONTRACT LABOR		TRM LLC		1,800.00	
MM-100075.01.WWO, WELL WORKOVER		6150100		CH LOG PERFRTG&WL SV		BLACK WARRIOR WIRELINE		8,100.00	
MM-100075.01.WWO, WELL WORKOVER		6170100		PULLING&SWABBING SVC		STANDARD ENERGY SERVICES		4,500.00	
MM-100075.01.WWO, WELL WORKOVER		6310350		FISHING SERVICES		KEY ENERGY SERVICES INC		11,300.00	
Cumulative Mud Volumes									
Additions (bbl) 0.0		Cum Additions (bbl) 0.0		Losses (bbl) 0.0		Cum Losses (bbl) 0.0			
Mud Volumes									
Tank/Addition/Loss					Type		Volume (bbl)		
Wellbores									
Wellbore Name OH		Total Depth (ftKB) 13,406.00		Max TVD (ftKB)		PBSD (All) (ftKB)		Drilled Depth (ft)	
Wellhead and Christmas Tree Systems									
Type							Start Date		
Des		Make		Model		WP (psi)		Bore Min (in)	
Casing Strings									
Csg Des		OD (in)		ID (in)		Wt/Len (lb/ft)		Grade	
SURFACE 1		13 3/8		12.715		48.00		H-40	
INTERMEDIATE 1		8 5/8		7.921		32.00		J-55	
PRODUCTION 1		5 1/2		4.778		20.00		N-80	
Tubing String: <des> set at <depthbtm>ftKB on <dtmrun>									
Tubing Description		Run Date			String Length (ft)			Set Depth / EOT (ftKB)	
Comment									
Item Des		Jts		Make		Model		OD (in)	
Rod Strings									
Rod Description		Run Date			String Length (ft)			Set Depth (ftKB)	
Item Des		Jts		Make		Model		OD (in)	



Wellbore: OH

Well Name: FEDERAL M 1

Rpt # 5 Date: 10/2/2013 05:00

Sub-Division DELAWARE BASIN		Region NORTHWEST CORE		Field Name CORBIN		County LEA		State/Province NM			
Surface Legal Location SEC 27 T18S R33E		API/UWI 3002521893		Latitude (°) 32° 43' 0.027" N		Longitude (°) 103° 39' 22.358" W		Orig KB Elevation (ft) 3,805.00			
						Ground Elev MSL (ft) 3,790.00		KB - GL (ft) 15.00			
Other Strings											
Des		Top (ftKB)		Set Depth (ftKB)		Top Thread		String Max Nominal OD (in)			
Other In Hole: <szodnom> in, <des>											
Run Date		Description			Make		Model				
Top Depth (ftKB)		Bottom Depth (ftKB)			ID (in)		OD (in)				
Perforation Intervals											
Date		Linked Zone			Current Status		Top (ftKB)		Btm (ftKB)		
Stimulation Intervals											
Start Date		Type	Zone		Stim/Treat Supervisor		Stage #	Proppant Designed (lb)			
Pumping Summary											
Vol Clean (bbl)		Pmp Stg Typ									
Production Settings											
Production Method			Production Method Details			Start Date		End Date			
Rod Pump Details											
Current Stroke Length (in)				Rotation Direction			Strokes Per Minute (spm)				
Flowing Well Details											
Choke Size [#1/64"] (in)											
Production Test (Last 4)											
Date	Dur (hr)	Completion/Zone	Q Oil (bbl/day)	Rate Gas (MCF/day)	Q Water (bbl/day)	Tub Pres (psi)	Cas Pres (psi)	Min Cross/Choke (1/64")	Vol CO2 (ft³)	Vol N2 (ft³)	Fluid Level (ftKB)



Wellbore: OH

Well Name: FEDERAL M 1

Rpt # 6 Date: 10/3/2013 05:00

Sub-Division DELAWARE BASIN		Region NORTHWEST CORE		Field Name CORBIN		County LEA		State/Province NM	
Surface Legal Location SEC 27 T18S R33E		API/UWI 3002521893		Latitude (°) 32° 43' 0.027" N		Longitude (°) 103° 39' 22.358" W		Orig KB Elevation (ft) 3,805.00	
						Ground Elev MSL (ft) 3,790.00		KB - GL (ft) 15.00	
Well Status History									
Date 8/10/2017		Well Status PRODUCING - ACTIVE			Well Sub-Status			Comment	
Zones									
Zone Name BONE SPRING		Zone ID B			First Production Date			Abandon Date	
Zone Name WOLFCAMP		Zone ID B			First Production Date			Abandon Date	
Zone Name STRAWN		Zone ID B			First Production Date			Abandon Date	
Zone Name MORROW		Zone ID B			First Production Date			Abandon Date	
Jobs									
Job Category WORKOVER		Primary Job Type RESTORE PROD-ROD PUMP			Secondary Job Type ROD PUMP REPAIR			Job Start Date 9/19/2013	
								Job End Date 10/5/2013	
WBS									
WBS # MM-100075.01.WWO		Cost Center Number 1006072701		WBS Type WELL WORKOVER		Total WBS+Sup (Cost) \$106,800		Total Fid Est (Cost) \$87,090	
								WBS-Field (Cost) \$19,710	
Job Phase									
Job Phase		Actual Dur (days)		Phase Field Est (Cost)		Planned Likely Phase Cost (Cost)		Cost Var ML (Cost)	
Safety Incidents									
Date		Type			Rpt Filed?				
Rig									
Rig LUCKY WELL SERVICE, 107			Rig Type WO/COMP/PU-ONSHORE			Rig Subtype MOBILE CARRIER		Rig Start Date 9/19/2013	
								Rig End Date 10/4/2013	
Safety									
Days LTI (days)		Days RI (days)		# Safe/Stop		# Near Misses		Head Count 11	
								Personnel Total Hours (hr) 154	
								Cum Pers Hrs (hr) 538	
								Confirm No Emission Yes	
Daily Operations									
Operations at Report Time NONE		24 Hour Forecast LD DRILL COLLARS TIH W/BHA AND PRODUCTION TBG					Last Phase		
24 Hour Summary TOOH LD BHA. TIH W/OVERSHOT CATCH FISH FREE POINT TBG CUT OFF									
Planned Days (days) 0.00		Job % Complete (%)		Daily Cost (Cost) \$17,700		Cum Field Est To Date (Cost) \$71,740		Total WBS + Sup Amount (Cost) \$106,800	
NPT Analysis to Date									
Time Log Total Hours (hr)		Problem Time Hours (hr) 0.00		Daily NPT Percent (%) 0.00		Cum Time Log Total (hr) 71.50		Cum Job NPT (hr)	
								Cum Job NPT (%)	
Daily Contacts									
Job Contact					Office				
MCMAHAN, MIKE, LEASE OPERATOR LEWIS, MERLE, LEASE OPERATOR TECHN CASTILLO, JAIME, LEASE OPERATOR									
Time Log									
Start Time	Dur (hr)	End Time	Ops Status	Operation	Description				NPT
05:00		05:00	ACTIVE	FISH	TAILGATE MEETING. FINISH TOOH W/TBG LD FISH TOOLS. PU 4 11/16 OVER SHOT TIH W/265 JTS CATCH FISH RU W/L PU FREE POINT TOOL RIH TAG BOTTOM @ 9740. PULL UP FREE POINT TBG @ 8937 TOTAL FISH IS 1150', 347' OF FREE PIPE, 803' STUCK PIPE. POOH LD TOOLS PU CUTTER RIH CUT OFF TBG @ 8920' HAD COLLAR @ 8935' POOH RD W/L. TOOH W/265 JTS, FISH TOOL LD 300' OF TBG RECOVERED SWI.				
Daily Cost Summary									
Custom WBS Alloc		GL Acct		Des		Vendor		Field Est (Cost)	
MM-100075.01.WWO, WELL WORKOVER		6010100		EMPLOYEE SALARIES		DEVON ENERGY		800.00	
MM-100075.01.WWO, WELL WORKOVER		6020100		CONTRACT LABOR		TRM LLC		1,800.00	
MM-100075.01.WWO, WELL WORKOVER		6150100		CH LOG PERFRTG&WL SV		BLACK WARRIOR WIRELINE		8,100.00	
MM-100075.01.WWO, WELL WORKOVER		6170100		PULLING&SWABBING SVC		STANDARD ENERGY SERVICES		4,900.00	
MM-100075.01.WWO, WELL WORKOVER		6310350		FISHING SERVICES		KEY ENERGY SERVICES INC		2,100.00	
Cumulative Mud Volumes									
Additions (bbi) 0.0		Cum Additions (bbi) 0.0			Losses (bbi) 0.0		Cum Losses (bbi) 0.0		
Mud Volumes									
Tank/Addition/Loss					Type		Volume (bbi)		
Wellbores									
Wellbore Name OH		Total Depth (ftKB) 13,406.00		Max TVD (ftKB)		PBTD (All) (ftKB)		Drilled Depth (ft)	
Wellhead and Christmas Tree Systems									
Type							Start Date		
Des		Make		Model		WP (psi)		Bore Min (in)	
Casing Strings									
Csg Des		OD (in)		ID (in)		Wt/Len (lb/ft)		Grade	
SURFACE 1		13 3/8		12.715		48.00		H-40	
INTERMEDIATE 1		8 5/8		7.921		32.00		J-55	
PRODUCTION 1		5 1/2		4.778		20.00		N-80	
Stringing									
Tubing Description		Run Date			String Length (ft)			Set Depth / EOT (ftKB)	
Comment									
Item Des		Jts		Make		Model		OD (in)	
								ID (in)	
								Wt (lb/ft)	
								Grade	
								Connections	
								Inner Coating	
								Len (ft)	
								Top (ftKB)	
Rod Strings									
Rod Description		Run Date			String Length (ft)			Set Depth (ftKB)	



Wellbore: OH

Well Name: FEDERAL M 1

Rpt # 6 Date: 10/3/2013 05:00

Sub-Division DELAWARE BASIN		Region NORTHWEST CORE		Field Name CORBIN		County LEA		State/Province NM			
Surface Legal Location SEC 27 T18S R33E		API/UWI 3002521893		Latitude (°) 32° 43' 0.027" N		Longitude (°) 103° 39' 22.358" W		Orig KB Elevation (ft) 3,805.00			
								Ground Elev MSL (ft) 3,790.00			
								KB - GL (ft) 15.00			
Item Des		Jts		Make		Model		OD (in)			
								Grade			
								Len (ft)			
Other Strings											
Des		Top (ftKB)		Set Depth (ftKB)		Top Thread		String Max Nominal OD (in)			
Other In Hole: 2 7/8 in, TUBING FISH											
Run Date 10/3/2013 00:00		Description TUBING FISH			Make		Model				
Top Depth (ftKB) 8,920.0		Bottom Depth (ftKB) 9,740.0			ID (in) 2.44		OD (in) 2 7/8				
Perforation Intervals											
Date		Linked Zone		Current Status		Top (ftKB)		Btm (ftKB)			
10/3/2013 00:00		MORROW, OH		CLOSED		13,315.0		13,406.0			
Stimulation Intervals											
Start Date		Type		Zone		Stim/Treat Supervisor		Stage #			
								Proppant Designed (lb)			
Pumping Summary											
Vol Clean (bbl)		Pmp Stg Typ									
Production Settings											
Production Method		Production Method Details			Start Date		End Date				
Rod Pump Details											
Current Stroke Length (in)				Rotation Direction			Strokes Per Minute (spm)				
Flowing Well Details											
Choke Size [#64"] (in)											
Production Test (Last 4)											
Date	Dur (hr)	Completion/Zone	Q Oil (bbl/day)	Rate Gas (MCF/day)	Q Water (bbl/day)	Tub Pres (psi)	Cas Pres (psi)	Min Cross/Choke (1/64")	Vol CO2 (ft³)	Vol N2 (ft³)	Fluid Level (ftKB)



Wellbore: OH

Well Name: FEDERAL M 1

Rpt # 7 Date: 10/4/2013 05:00

Sub-Division DELAWARE BASIN		Region NORTHWEST CORE		Field Name CORBIN		County LEA		State/Province NM	
Surface Legal Location SEC 27 T18S R33E		API/UWI 3002521893		Latitude (°) 32° 43' 0.027" N		Longitude (°) 103° 39' 22.358" W		Ong KB Elevation (ft) 3,805.00	
								Ground Elev MSL (ft) 3,790.00	
								KB - GL (ft) 15.00	
Well Status History									
Date 8/10/2017		Well Status PRODUCING - ACTIVE			Well Sub-Status			Comment	
Zones									
Zone Name BONE SPRING		Zone ID B			First Production Date			Abandon Date	
Zone Name WOLFCAMP		Zone ID B			First Production Date			Abandon Date	
Zone Name STRAWN		Zone ID B			First Production Date			Abandon Date	
Zone Name MORROW		Zone ID B			First Production Date			Abandon Date	
Jobs									
Job Category WORKOVER		Primary Job Type RESTORE PROD-ROD PUMP			Secondary Job Type ROD PUMP REPAIR			Job Start Date 9/19/2013	
								Job End Date 10/5/2013	
WBS									
WBS # MM-100075.01.WWO		Cost Center Number 1006072701		WBS Type WELL WORKOVER		Total WBS+Sup (Cost) \$106,800		Total Fid Est (Cost) \$87,090	
								WBS-Field (Cost) \$19,710	
Job Phase									
Job Phase		Actual Dur (days)		Phase Field Est (Cost)		Planned Likely Phase Cost (Cost)		Cost Var ML (Cost)	
Safety Incidents									
Date		Type					Rpt Filed?		
Rig									
Rig LUCKY WELL SERVICE, 107			Rig Type WO/COMP/PU-ONSHORE			Rig Subtype MOBILE CARRIER		Rig Start Date 9/19/2013	
								Rig End Date 10/4/2013	
Safety									
Days LTI (days)		Days RI (days)		# Safe/Stop		# Near Misses		Head Count 11	
								Personnel Total Hours (hr) 94	
								Cum Pers Hrs (hr) 633	
								Confirm No Emission Yes	
Daily Operations									
Operations at Report Time NONE			24 Hour Forecast SPACE OUT PUMP RDWSU MOVE OFF TURN OVER TO PRODUCTION				Last Phase		
24 Hour Summary TOOH W/TBG LD RBP. PU PRODUCTION BHA TIH. PU PUMP TIH W/PUMP									
Planned Days (days) 0.00		Job % Complete (%)		Daily Cost (Cost) \$13,050		Cum Field Est To Date (Cost) \$84,790		Total WBS + Sup Amount (Cost) \$106,800	
NPT Analysis to Date									
Time Log Total Hours (hr) 13.50		Problem Time Hours (hr) 0.00		Daily NPT Percent (%) 0.00		Cum Time Log Total (hr) 71.50		Cum Job NPT (hr)	
								Cum Job NPT (%)	
Daily Contacts									
Job Contact					Office				
MCMAHAN, MIKE, LEASE OPERATOR LEWIS, MERLE, LEASE OPERATOR TECHN CASTILLO, JAIME, LEASE OPERATOR									
Time Log									
Start Time	Dur (hr)	End Time	Ops Status	Operation	Description				NPT
05:00	13.50	18:30	ACTIVE	TRIP	TOOH W/68 JTS LD RBP. PU 2 7/8 BP, M/A, TBG DESANDER, S/N, 2 JTS, 5 1/2 TAC, 271 JTS NDBOP SET TAC W/16K PULLED LAND TBG NUWH. CHANGE OVER TO RODS. TIH W/11 PULLS OF 1" RODS TOOH LD 33. PU 1 1/4 x 10' G/A, 2 1/2 X 1 1/2 X 22' PUMP, 179-3/4, 106-7/8, 67-1", 1 1/2 X 26" POLISH ROD SPACE OUT PUMP 12" OFF BOTTOM HANG WELL PRESSURE TEST TO 500, GOOD. LEAVE WELL DOWN OVERNIGHT SHUT DOWN				
Daily Cost Summary									
Custom WBS Alloc		GL Acct		Des		Vendor		Field Est (Cost)	
MM-100075.01.WWO, WELL WORKOVER		6010100		EMPLOYEE SALARIES		DEVON ENERGY		800.00	
MM-100075.01.WWO, WELL WORKOVER		6020100		CONTRACT LABOR		TRM LLC		1,800.00	
MM-100075.01.WWO, WELL WORKOVER		6170100		PULLING&SWABBING SVC		STANDARD ENERGY SERVICES		5,100.00	
MM-100075.01.WWO, WELL WORKOVER		6310130		ARTIFICIAL LIFT EQP		ANDREWS PUMP & SUPPLY OF NEW MEXICO INC		2,000.00	
MM-100075.01.WWO, WELL WORKOVER		6310130		ARTIFICIAL LIFT EQP		ANDREWS PUMP & SUPPLY OF NEW MEXICO INC		2,500.00	
MM-100075.01.WWO, WELL WORKOVER		6310350		FISHING SERVICES		KEY ENERGY SERVICES INC		850.00	
Cumulative Mud Volumes									
Additions (bbi) 0.0		Cum Additions (bbi) 0.0		Losses (bbi) 0.0		Cum Losses (bbi) 0.0			
Mud Volumes									
Tank/Addition/Loss					Type		Volume (bbi)		
Wellbores									
Wellbore Name OH		Total Depth (ftKB) 13,406.00		Max TVD (ftKB)		PBTD (All) (ftKB)		Drilled Depth (ft)	
Wellhead and Christmas Tree Systems									
Type							Start Date		
Des		Make		Model		WP (psi)		Bore Min (in)	
Casing Strings									
Csg Des		OD (in)		ID (in)		Wt/Len (lb/ft)		Grade	
SURFACE 1		13 3/8		12.715		48.00		H-40	
INTERMEDIATE 1		8 5/8		7.921		32.00		J-55	
PRODUCTION 1		5 1/2		4.778		20.00		N-80	
Tubing String: TUBING - PRODUCTION set at 8,907.4ftKB on 10/3/2013 18:30									
Tubing Description TUBING - PRODUCTION		Run Date 10/3/2013		String Length (ft) 8,892.74		Set Depth / EOT (ftKB) 8,907.4			
Comment									
Item Des		Jts		Make		Model		OD (in)	
Tubing		271		T&C Upset		2 7/8		2.441	
								Wt (lb/ft) 6.50	
								Grade L-80	
								Connections	
								Inner Coating	
								Len (ft) 8,784.74	
								Top (ftKB) 14.7	



Wellbore: OH

Well Name: FEDERAL M 1

Rpt # 7 Date: 10/4/2013 05:00

Sub-Division DELAWARE BASIN		Region NORTHWEST CORE		Field Name CORBIN		County LEA		State/Province NM					
Surface Legal Location SEC 27 T18S R33E		API/UWI 3002521893		Latitude (°) 32° 43' 0.027" N		Longitude (°) 103° 39' 22.358" W		Orig KB Elevation (ft) 3,805.00		Ground Elev MSL (ft) 3,790.00		KB - GL (ft) 15.00	
Item Des	Jts	Make	Model	OD (in)	ID (in)	Wt (lb/ft)	Grade	Connections	Inner Coating	Len (ft)	Top (ftKB)		
Anchor/catcher	1			5 1/2	2.441					2.75	8,799.4		
Tubing	2		T&C Upset	2 7/8	2.441	6.50	N-80			63.65	8,802.2		
Pump Seating Nipple	1			2 7/8	2.000					1.10	8,865.8		
Tubing Desander	1				3	2.441				8.00	8,866.9		
Tubing	1		T&C Upset	2 7/8	2.441	6.50	N-80			31.50	8,874.9		
Bull Plug	1			2 7/8	2.441					1.00	8,906.4		
Rod Strings													
Rod Description ROD		Run Date 10/3/2013		String Length (ft) 8,883.00				Set Depth (ftKB) 8,883.0					
Item Des	Jts	Make	Model	OD (in)	Grade	Len (ft)							
Polished Rod	1	Norris	Chromed	1 1/2		26.00							
Sucker Rod	68	Norris	Grade 97		1 N-97	1,700.00							
Sucker Rod	106	Norris	Grade 97		7/8 N-97	2,650.00							
Sucker Rod	179	Norris	Grade 97		3/4 N-97	4,475.00							
Rod Pump	1				1 1/2	22.00							
Gas Anchor	1				1 1/4	10.00							
Other Strings													
Des		Top (ftKB)		Set Depth (ftKB)		Top Thread		String Max Nominal OD (in)					
Other In Hole: <szodnom> in, <des>													
Run Date		Description		Make		Model							
Top Depth (ftKB)		Bottom Depth (ftKB)		ID (in)		OD (in)							
Perforation Intervals													
Date	Linked Zone	Current Status		Top (ftKB)		Btm (ftKB)							
Stimulation Intervals													
Start Date	Type	Zone		Stim/Treat Supervisor		Stage #		Proppant Designed (lb)					
Pumping Summary													
Vol Clean (bbl)		Pmp Stg Typ											
Production Settings													
Production Method		Production Method Details				Start Date		End Date					
Rod Pump Details													
Current Stroke Length (in)				Rotation Direction				Strokes Per Minute (spm)					
Flowing Well Details													
Choke Size [#64"] (in)													
Production Test (Last 4)													
Date	Dur (hr)	Completion/Zone	Q Oil (bbl/day)	Rate Gas (MCF/day)	Q Water (bbl/day)	Tub Pres (psi)	Cas Pres (psi)	Min Cross/Choke (1/64")	Vol CO2 (ft³)	Vol N2 (ft³)	Fluid Level (ftKB)		



Wellbore: OH

Well Name: FEDERAL M 1

Rpt # 8 Date: 10/5/2013 05:00

Sub-Division DELAWARE BASIN		Region NORTHWEST CORE		Field Name CORBIN		County LEA		State/Province NM	
Surface Legal Location SEC 27 T18S R33E		API/UWI 3002521893		Latitude (°) 32° 43' 0.027" N		Longitude (°) 103° 39' 22.358" W		Orig KB Elevation (ft) 3,805.00	
						Ground Elev MSL (ft) 3,790.00		KB - GL (ft) 15.00	
Well Status History									
Date 8/10/2017		Well Status PRODUCING - ACTIVE			Well Sub-Status			Comment	
Zones									
Zone Name BONE SPRING		Zone ID B			First Production Date			Abandon Date	
Zone Name WOLFCAMP		Zone ID B			First Production Date			Abandon Date	
Zone Name STRAWN		Zone ID B			First Production Date			Abandon Date	
Zone Name MORROW		Zone ID B			First Production Date			Abandon Date	
Jobs									
Job Category WORKOVER		Primary Job Type RESTORE PROD-ROD PUMP			Secondary Job Type ROD PUMP REPAIR			Job Start Date 9/19/2013	
								Job End Date 10/5/2013	
WBS									
WBS # MM-100075.01.WWO		Cost Center Number 1006072701		WBS Type WELL WORKOVER		Total WBS+Sup (Cost) \$106,800		Total Fid Est (Cost) \$87,090	
								WBS-Field (Cost) \$19,710	
Job Phase									
Job Phase		Actual Dur (days)		Phase Field Est (Cost)		Planned Likely Phase Cost (Cost)		Cost Var ML (Cost)	
Safety Incidents									
Date		Type			Rpt Filed?				
Rig									
Rig LUCKY WELL SERVICE, 107			Rig Type WO/COMP/PU-ONSHORE			Rig Subtype MOBILE CARRIER		Rig Start Date 9/19/2013	
							Rig End Date 10/4/2013		
Safety									
Days LTI (days)		Days RI (days)		# Safe/Stop		# Near Misses		Head Count 11	
								Personnel Total Hours (hr) 24	
								Cum Pers Hrs (hr) 657	
								Confirm No Emission Yes	
Daily Operations									
Operations at Report Time WELL TEST				24 Hour Forecast WELL TEST				Last Phase	
24 Hour Summary SPACE OUT PUMP RDWSU MOVE OFF									
Planned Days (days) 0.00		Job % Complete (%)		Daily Cost (Cost) \$2,300		Cum Field Est To Date (Cost) \$87,090		Total WBS + Sup Amount (Cost) \$106,800	
NPT Analysis to Date									
Time Log Total Hours (hr) 4.00		Problem Time Hours (hr) 0.00		Daily NPT Percent (%) 0.00		Cum Time Log Total (hr) 71.50		Cum Job NPT (hr)	
								Cum Job NPT (%)	
Daily Contacts									
Job Contact					Office				
MCMAHAN, MIKE, LEASE OPERATOR									
LEWIS, MERLE, LEASE OPERATOR TECHN									
CASTILLO, JAIME, LEASE OPERATOR									
Time Log									
Start Time	Dur (hr)	End Time	Ops Status	Operation	Description				NPT
05:00	4.00	09:00	ACTIVE	RIGD	SPACE OUT PUMP HANG WELL ON CHECK PUMP ACTION, PRESSURE TEST, GOOD. RDWSU & RELEASE RIG				
Daily Cost Summary									
Custom WBS Alloc		GL Acct		Des		Vendor		Field Est (Cost)	
MM-100075.01.WWO, WELL WORKOVER		6010100		EMPLOYEE SALARIES		DEVON ENERGY		800.00	
MM-100075.01.WWO, WELL WORKOVER		6170100		PULLING&SWABBING SVC		STANDARD ENERGY SERVICES		1,500.00	
Cumulative Mud Volumes									
Additions (bbi) 0.0		Cum Additions (bbi) 0.0		Losses (bbi) 0.0		Cum Losses (bbi) 0.0			
Mud Volumes									
Tank/Addition/Loss				Type		Volume (bbi)			
Wellbores									
Wellbore Name OH		Total Depth (ftKB) 13,406.00		Max TVD (ftKB)		PBTD (All) (ftKB)		Drilled Depth (ft)	
Wellhead and Christmas Tree Systems									
Type							Start Date		
Des		Make		Model		WP (psi)		Bore Min (in)	
Casing Strings									
Csg Des		OD (in)		ID (in)		Wt/Len (lb/ft)		Grade	
SURFACE 1		13 3/8		12.715		48.00		H-40	
INTERMEDIATE 1		8 5/8		7.921		32.00		J-55	
PRODUCTION 1		5 1/2		4.778		20.00		N-80	
Tubing String: TUBING - PRODUCTION set at 8,907.4ftKB on 10/3/2013 18:30									
Tubing Description TUBING - PRODUCTION		Run Date 10/3/2013		String Length (ft) 8,892.74		Set Depth / EOT (ftKB) 8,907.4			
Comment									
Item Des		Jts		Make		Model		OD (in)	
Tubing		271				T&C Upset		2 7/8	
Anchor/catcher		1						5 1/2	
Tubing		2				T&C Upset		2 7/8	
Pump Seating Nipple		1						2 7/8	
Tubing Desander		1						3	
Tubing		1				T&C Upset		2 7/8	
Bull Plug		1						2 7/8	
Rod Strings									
Rod Description ROD		Run Date 10/3/2013		String Length (ft) 8,883.00		Set Depth (ftKB) 8,883.0			



Wellbore: OH

Well Name: FEDERAL M 1

Rpt # 8 Date: 10/5/2013 05:00

Sub-Division DELAWARE BASIN		Region NORTHWEST CORE		Field Name CORBIN		County LEA		State/Province NM			
Surface Legal Location SEC 27 T18S R33E		API/UWI 3002521893		Latitude (°) 32° 43' 0.027" N		Longitude (°) 103° 39' 22.358" W		Orig KB Elevation (ft) 3,805.00			
						Ground Elev MSL (ft) 3,790.00		KB - GL (ft) 15.00			
Item Des		Jts		Make		Model		OD (in)			
Polished Rod		1		Norris		Chromed		1 1/2			
Sucker Rod		68		Norris		Grade 97		1			
Sucker Rod		106		Norris		Grade 97		7/8			
Sucker Rod		179		Norris		Grade 97		3/4			
Rod Pump		1						1 1/2			
Gas Anchor		1						1 1/4			
Grade		Len (ft)									
		26.00									
		1,700.00									
		2,650.00									
		4,475.00									
		22.00									
		10.00									
Other Strings											
Des		Top (ftKB)		Set Depth (ftKB)		Top Thread		String Max Nominal OD (in)			
Other In Hole: <szodnom> in, <des>											
Run Date		Description			Make		Model				
Top Depth (ftKB)		Bottom Depth (ftKB)			ID (in)		OD (in)				
Perforation Intervals											
Date		Linked Zone		Current Status		Top (ftKB)		Btm (ftKB)			
Stimulation Intervals											
Start Date		Type		Zone		Stim/Treat Supervisor		Stage #			
Proppant Designed (lb)											
Pumping Summary											
Vol Clean (bbl)		Pmp Stg Typ									
Production Settings											
Production Method			Production Method Details			Start Date		End Date			
Rod Pump Details											
Current Stroke Length (in)				Rotation Direction			Strokes Per Minute (spm)				
Flowing Well Details											
Choke Size [#64"] (in)											
Production Test (Last 4)											
Date	Dur (hr)	Completion/Zone	Q Oil (bbl/day)	Rate Gas (MCF/day)	Q Water (bbl/day)	Tub Pres (psi)	Gas Pres (psi)	Min Cross/Choke (1/64")	Vol CO2 (ft³)	Vol N2 (ft³)	Fluid Level (ftKB)

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

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

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

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

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

7. 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.

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

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



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

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



In Reply Refer To: 1310

Reclamation Objectives and Procedures

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

The long-term objective of final reclamation is to set the course for eventual ecosystem restoration, including the restoration of the natural vegetation community, hydrology, and wildlife habitats. In most cases this means returning the land to a condition approximating or equal to that which existed prior to the disturbance. The final goal of reclamation is to restore the character of the land and water to its 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

Sundry ID		2730795					
Plug Type	Top	Bottom	Length	Tag	Sacks	Cement Class	Notes
Surface Plug	0.00	100.00	100.00	Tag/Verify			
Shoe Plug	300.46	404.00	103.54	Tag/Verify	232.00	C	Perforate and squeeze from 404' to surface. Verify at surface across all casing annuluses. (In 39 sxs/Out 55 sxs/Out 138 sxs)
Top of Salt @ 1530	1464.70	1580.00	115.30	Tag/Verify	50.00	C	Perforate and squeeze from 1580' to 1464'. WOC and Tag. (In 11 sxs/Out 16 sxs/Out 23 sxs)
Base of Salt @ 2840	2761.60	2890.00	128.40	Tag/Verify			
Yates @ 3125	3043.75	3175.00	131.25	If solid base no need to Tag (CIBP present and/or Mechanical Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open Perforations	96.00	C	Perforate and squeeze from 3175' to 2761'. WOC and Tag. (In 40 sxs/ Out 56 sxs)
Shoe Plug	5007.91	5159.00	151.09	Tag/Verify	36.00	C	Perforate and squeeze from 5159' to 5007'. WOC and Tag. (In 15 sxs/Out 21 sxs)
Delaware @ 6018	5907.82	6068.00	160.18	If solid base no need to Tag (CIBP present and/or Mechanical Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open Perforations	37.00	C	Perforate and squeeze from 6068' to 5907'. WOC and Tag. (In 16 sxs/ Out 21 sxs)

				If solid base no need to Tag (CIBP present and/or Mechanical Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open Perforations			Perforate and squeeze from 7433' to 7259'. WOC and Tag. (In 17 sxs/Out 23 sxs)
Bonesprings @ 7383	7259.17	7433.00	173.83		40.00	C	
TOF @ 8920	8780.80	8970.00	189.20	base no			
Perforations Plug (If No CIBP)	8876.00	9776.00	900.00	Tag/Verify			
				If solid base no need to Tag (CIBP present and/or Mechanical Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open Perforations			Set CIBP at 8915 feet. Leak Test CIBP. Spot 25 sxs Class H on top.
CIBP Plug	8880.00	8915.00	35.00		25.00	H	
Wolfcamp @ 10518	10362.82	10568.00	205.18	base no			
Shoe Plug	13131.85	13365.00	233.15	Tag/Verify			

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

Class H >7500'

Class C <7500'

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

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

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

R111P: 50 Feet from Base of Salt to surface.

Class C: 1.32 ft³/sx

Class H: 1.06 ft³/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		
Shoe @	354.00		
Shoe @	5109.00	TOC @	2700.00
Shoe @	13315.00	TOC @	8670.00
Perforatons Top @	8926.00	Perforations	9726.00
		CIBP @	8915.00

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 230995

COMMENTS

Operator: Franklin Mountain Energy 3, LLC 44 Cook Street Denver, CO 80206	OGRID: 331595
	Action Number: 230995
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

COMMENTS

Created By	Comment	Comment Date
plmartinez	DATA ENTRY PM	6/23/2023

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Operator: Franklin Mountain Energy 3, LLC 44 Cook Street Denver, CO 80206	OGRID: 331595
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CONDITIONS

Created By	Condition	Condition Date
kfortner	Like approval from BLM	6/23/2023