(Instructions on page 2)

# **UNITED STATES** DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT DEPARTMENT OF THE INTERIOR CAPITAL OF LAND MANAGEMENT DEPARTMENT OF THE INTERIOR CAPITAL OF LAND MANAGEMENT

FORM APPROVED OMB NO. 1004-0137 Txtree Qanuary 31, 2018

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use thi abandoned wel	s form for proposals to drill on II. Use form 3160-3 (APD) for s	r to re-enter an such proposals.	6. If Indian, Allottee	or Tribe Name
SUBMIT IN T	TRIPLICATE - Other instruction	ns on PAOBBS (	7. If Unit or CA/Agre	eement, Name and/or No.
Type of Well		OCT 202	9 Wall Name and No	2 FEDERAL COM 2H
2. Name of Operator OXY USA INC.	Contact: DAVID  E-Mail: david_stewart@ox		9. API Well No. 30-025-40095	
3a. Address P.O. BOX 50250 MIDLAND, TX 79710	3b. Pl Ph: 4	none No. (include area code) 432-685-5717	10. Field and Pool or RED TANK BC	
4. Location of Well (Footage, Sec., T	., R., M., or Survey Description)		11. County or Parish	, State
Sec 2 T22S R32E SENE 1980 32.422515 N Lat, 103.637530			LEA COUNTY	, NM
12. CHECK THE AF	PPROPRIATE BOX(ES) TO IN	DICATE NATURE OF	NOTICE, REPORT, OR OT	HER DATA
TYPE OF SUBMISSION		TYPE OF	ACTION	
■ Notice of Intent	☐ Acidize	□ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	■ Well Integrity
☐ Subsequent Report	☐ Casing Repair	■ New Construction	Recomplete	☐ Other
☐ Final Abandonment Notice	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	
Attach the Bond under which the wor following completion of the involved testing has been completed. Final At determined that the site is ready for final that the si	ally or recomplete horizontally, give subtack will be performed or provide the Bon operations. If the operation results in a pandonment Notices must be filed only simal inspection.  unit. POOH w/ pump & rods, Not performed by 13737' M. RIH w/ puct to seal existing perfs, circ how approximately 8700', load how to seal existing perfs, circ how approximately 8700', load how to seal existing perfs, circ how approximately 8700', load how to seal existing perfs, circ how approximately 8700', load how to seal existing perfs, circ how approximately 8700', load how to seal existing perfs, circ how approximately 8700', load how approximat	psurface locations and measured No. on file with BLM/BIA. a multiple completion or recording the requirements, including the requirements, including the rest of t	red and true vertical depths of all pert. Required subsequent reports must be mpletion in a new interval, a Form 31 ng reclamation, have been completed. H w/ tbg and scan. 8730?) to surface. Rel pkr, load attached for	inent markers and zones. te filed within 30 days 60-4 must be filed once
Name(Printed/Typed) DAVID ST	Electronic Submission #386243 For OXY US, Committed to AFMSS for proce	A INC., sent to the Hobb essing by MUSTAFA HAC	S	
Signature (Electronic S	Submission)	Date 08/25/20	APPROVED	
	THIS SPACE FOR FE			
Approved By Mustofe  Conditions of approval, if any, are attache certify that the applicant holds legal or equivalent would entitle the applicant to conduct the second se	uitable title to those rights in the subject act operations thereon.  U.S.C. Section 1212, make it a crime for	rant or lease Office BURE or any person knowingly and	AU OF LAND MANAGEMENT  BASBAD FIFLD OFFICE  willfully to make to any department of	Date   O - 12-201
States any false, fictitious or fraudulent s	statements or representations as to any r	natter within its jurisdiction.		

\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*

#### Additional data for EC transaction #386243 that would not fit on the form

#### 32. Additional remarks, continued

isolation w/ 20 flow through composite plugs from approximately 9445-13624', see attached for detail.

6. After frac, MIRU CTU, RIH & drill out plugs & CO to PBTD @ 13737'. Circ hole w/ N2, then flow back and test.

7. After flow back, turn well over to operations, artificial lift procedure to be decided.

# **Mohawk Energy Flush Joint Specification Data Sheet**

#### 4.25 inch, 0.31 wall x 5.5 inch, 20 lb/ft **FracPatch Specifications Expandable Pipe Body** Pre-Expansion OD 4.250 inches OD 4.678 inches ID 3.630 inches ID 4.084 inches 0.297 inches Wall Thickness 0.310 inches Wall Thickness Weight 13.100 lb/ft Drift 4.024 inches Drift 3.505 inches Internal Yield 10,296 psi Seal Joint OD 4.490 inches Collapse 6,024 psi 12.497 % Seal Thickness 0.120 inches Expansion Ratio

Expandable Connection									
Pre-Expa	nsion	Post Expansion							
Connection OD	4.310	inches	Connection OD	4.738	inches				
Connection ID	3.600	inches	Connection ID	4.084	inches				
Drift	3.505	inches	Drift	4.024	inches				
Tensile Rating	142,286	lbs	Internal Yield	10,296	psi				
Compressive Rating	142,286	lbs	Collapse	6,024	psi				
Max DLS	36.01	°/100ft	Tensile Rating	151,612	lbs				
Optimum Torque	1,360	ft-lbs	Compressive Rating	136,451	lbs				
Max Torque	1,496	ft-lbs	Yield Torque	1,700	ft-lbs				

## **Mohawk Energy Setting Tool:**

44 lbs/psi

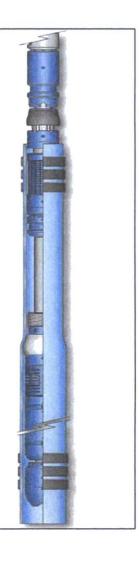
Appendix	A1:	Setting	Tool
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Tool connection up	2-7/8", 7.9# PH-6 Box				
Tool weight	900 lbs				
Tool length	40.0 ft				
Expansion stroke	2.80 ft				
Max. dog-leg severity	25 °/100ft				
Axial load rating	200,000 lbs				
Max. pressure	4,500 psi				
Max. temperature	400 °F				
Circulation flow rate	30 gpm				
Valve shut off flow rate	46 gpm				

Table	5	3 50	Tool	Running	Parameters

Pressure/force conversion

Event	Pressure or Force
Stabbing sub latching load	500 lbs
Max. slack off during deployment	15,000 lbs
Max. overpull during deployment	25,000 lbs
Drive unit shear disk	1.750 psi
Tool reset	3,000-5,000 lbs
Safety burst disk relief	5.000 psi



### **Mohawk Energy RIH Procedure:**

#### 1) Liner Make Up and Deployment:

- 1. Conduct a safety meeting. Go over parameters such as number of joints to pick up, safe running speeds, safe running weights, and important depths. Mohawk rep will discuss circulation tool function.
- 2. Discuss well control options before running the liner.
- 3. Rig up Mohawk liner lifting subs, TIW valve, and circulating crossover subs.
- 4. Rig up casing handling equipment including slips and bowls, flush joint elevators, and tongs (if used).
- 5. Pick up setting tool with elevators using Mohawk's lift nubbin as a shoulder. Run in hole and set in slips (some applications require the slips to be set on the seal joint). Install a safety clamp.
- 6. Make up liner in final proposed order per MetalPatch liner tally sheet.
  - · Install lift nubbin on each joint.
  - Mohawk's proprietary r2m thread is made up dopeless. Do not put dope on r2m threads.
  - Make up each r2m connection with Mohawk provided wrenches or to 1,300 ft-lbs with casing crew tongs.
  - Install safety clamp on every joint.
  - Designate one man to watch the lift nubbin while making up joints to ensure it spins freely and does not back off while making a connection.
- 7. After running all liner joints, pick up the exit joint with the exit joint lift nubbin. Land the exit joint as low as possible in the slips.
- 8. Rig up the Mohawk false rotary table on top of the exit joint.
- 9. Swap over to the Mohawk inner string circulating crossover assembly.
- 10. Rig up the work string slips on top of the Mohawk table. Cover the hole.
- 11. Swap all handling equipment to run work string inside of the Mohawk liner joints.
- 12. Pick up the inner string BHA (please see Table in page 13 above). Use minimum dope only on the pins.
- 13. Check tally and have a meeting to discuss latch-in depth (the inner string BHA will latch into the setting tool and pick up the liner).
- 14. Begin tripping in hole with work string:
  - · Confirm latch-in depth.
  - 10ft above the setting tool, slow the trip in speed to 10 ft/min.
  - Continue to run in hole and latch into the setting tool by slacking off.
  - · After latching in, pick up slowly and check to see the tool is latched and the liner lifts out of the slips.
  - Set down and pick up again to check latch-in (resetting the slip and bowl may be required).
  - Use Mohawk supplied jack to confirm tool is latched in for liners less than 100ft (see Appendix 5).
  - Pick up out of the slips.
- 15. Rig down the work string slips, rig down Mohawk table, and rig down the liner slips.
- 16. Rig up the work string slips and begin running the liner in the hole.
  - RIH 1 min/stand
  - If anything is tagged while RIH, notify a Mohawk representative.
  - Use caution on and off slips to avoid jarring the liner.
  - Circulate through tool at 0.5 BPM every 50 stands for 3 BBL.
  - If in a horizontal, take pick up and slack off weights before entering the lateral.
  - Monitor pick up and slack off weights.
  - After entering the lateral, pump down tubing 0.5 BPM every 10 stands.
- 17. Trip in hole to setting depth.
- 18. If using a plug or no-go for depth correlation, tag the plug and pull up accordingly.
- 19. If only using the tally for depth, run in past the target by at least 1 joint, pull back up to setting depth and measure depth while on up weight.

#### 2) Liner Expansion Procedure:

- 1. Once depth, conduct a safety meeting. Review all tallies and confirm depths.
- 2. Rig up the pump-in sub, tubing swivel (chicksan), high-pressure hose, and expansion pump on to the tubing.
- 3. Pressure test surface lines to 6000 psi:
  - Ensure the liner is in exact position prior to starting the test.
  - Ensure pump kick-outs (or pop offs) are working.
  - Ensure there is a way to bleed pressure from tubing.
- 4. Open tubing and pump through the Mohawk setting tool, break circulation if well allows.
  - Ensure the liner is in exact position prior to circulating.
  - Set kick-outs to 500psi.
  - Do not exceed 0.5 BPM flow rate to circulate.
  - If pressure increases while circulating, do not bleed off.
- 5. After circulation, set kick-outs to 4000 psi.
- 6. Increase rate to 1 BPM, pressure will begin to build. Bring pressure to 3,500 psi and hold for 1 minute (hold first stroke only).
- 7. Bleed tubing down to zero pressure.
- 8. Mark the work string at the slips for reference.
- 9. With the rig, pull the tubing to reset the tool with 3,000-5,000 lbs over string weight or 3' (whichever occurs first). Mark the new position and measure.
- 10. Repeat Steps 6 through 9 until all lower seals are expanded.
- 11. After lower seals are expanded, begin pulling out with the rig:
  - Mohawk will recommend max hook loads to ensure safe operations.
  - Pull force will be string weight plus expansion force.
  - Expansion force can vary as the expansion tool moves through connections and wellbore restrictions.
  - If max hook load is seen, stop, slack down to neutral hook load, rig up the hose, and repeat Steps 6-9.
  - Pup joints can be on location to help with slacking down.
- 12. Stop expansion before reaching the upper seals.
  - Check progress using pipe tally.
  - Keep stretch in mind when calculating position.
- 13. Rig up the high pressure hose on to the tubing.
- 14. Increase rate to 1 BPM, pressure will begin to build. If liner compression is required, follow Mohawk direction. Otherwise, increase pressure to 3,700 psi.
  - Bring pressure to 1,000 psi and hold.
  - Slack down with pressure on tubing to compress the liner.
  - Increase pressure to 3,700 psi. While holding pressure, pick back up to neutral.
- 15. Bleed tubing down to zero pressure.
- 16. Mark the work string at the slips for reference.
- 17. With the rig, pull the tubing to reset the tool with 3,000-5,000 lbs over string weight. Mark the new position and measure.
- 18. Repeat steps 14-17 until upper seals are expanded:
  - Use pipe tally and pressure response to gauge when the upper seals have been expanded.
  - Upper seals should be expanded with hydraulic expansion and not mechanical over pull.
- 19. Clear the rig of all unnecessary personnel.
- 20. Begin expanding the liner by pulling with the rig.
  - Pull slowly.
  - Hook load will decrease once the setting tool exits the liner.
  - When exiting the top of the patch insure all pressure has been bled off the tubing.
- 21. Tag the top of the liner and confirm depth, estimated Top of liner at ~ 9,400' (Existing Top Perf at 9,444')
- 22. Drop ball to open drain sub. POOH and laydown all Mohawk tools. RDMO PU

## OXY USA Inc. - Rum Runner 2 Federal Com #1H - 30-025-40095

I				# PROP /		
				STG AS		
		STG	% of frac	DESIGNED		
	DEPTH	# HOLES				SPACING Between Cluster
# of Frac stages					# of Frac plugs	distance from plug to perf
	13,624	11	27.50%			
1	13,581	10	25.00%	400,000		
,	13,538	10	25.00%	400,000		Plug 1
	13,495	. 9	22.50%			
	13,405	12	28.57%			
2	13,360	11	26.19%	400,000		
2	13,315	10	23.81%	400,000		Plug 2
	13,270	9	21.43%			
	13,180	12				
3	13,135	11	26.19%	400,000		
3	13,090	10				Plug 3
	13,045	9				
	12,955	12				
4	12,910			400,000		
-	12,865	NAME OF TAXABLE PARTY OF TAXABLE PARTY.	23.81%	100,000		Plug 4
	12,820	9	21.43%			
	12,730	12	28.57%			
5	12,685	11	26.19%	400,000		
5	12,640	10	23.81%	400,000		Plug 5
	12,595	9	21.43%			
	12,505	BOTH STREET, S		CONTRACTOR AND ADDRESS OF THE PERSON OF THE	1	
	12,460	STATE OF STREET				
6	12,415	All the second second		400.000		Plug 6
	12,370	THE PROPERTY AND PERSONS AND PERSONS ASSESSMENT OF THE PERSONS ASSESSMENT ASSESSMENT ASSESSMENT ASSESSMENT ASSESSMENT ASSESSMENT ASSESSMENT ASSESSME				3.30
	12,280	THE RESIDENCE OF THE PARTY OF T		HERCHY COMMERCED	1	
	12,235	11				
7	STATE OF STATE OF			400.000		Plug 7
	12,190	100 5 2 10				Flug /
	12,145	9		Personal District Control of the Control	-	
	12,055	THE RESERVE AND ADDRESS OF THE PARTY OF THE				
8	12,010	11		400,000		
	11,965	10	23.81%			Plug 8
	11,920	9	21.43%			
	11,830	12	28.57%			
0	11,785	11	26.19%	400,000		
9	11,740	10	23.81%	400,000		Plug 9
*	11,695	9	21.43%			
	11,605	12	28.57%			
	11,560	THE RESERVE OF THE PERSON NAMED IN COLUMN				
10	11,515	Name of Street, Street		400,000		Plug 10
	11,470	LESS THAT WE SHARE				
	MARKET STATES			IA-ACTIO INSELNING SOUTH BUAYA		
	11,380					
11	11,335	District Street County		400,000		Plug 11
	11,290	ESCULPING CONTRACTOR				Flug 11
	11,245	9	21.43%	Capacity St	J	

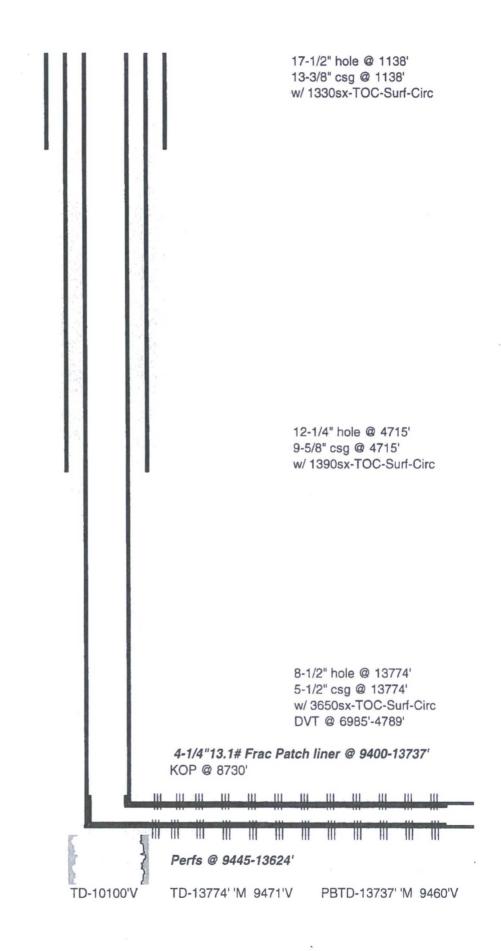
## OXY USA Inc. - Rum Runner 2 Federal Com #1H - 30-025-40095

	11,380	12	28.57%		
	11,335	11	26.19%		
12	11,290	10	23.81%	400,000	Plug 12
	11,245	9	21.43%		
	11,155	12	28.57%		
	11,110	11	26.19%		
13	11,065	10	23.81%	400,000	Plug 13
	11,020	9	21.43%		
	10,930	12	28.57%		
	10,885	11	26.19%		
14	10,840	10	23.81%	400,000	Plug 14
	10,795	9	21.43%		· ·
	10,930	12	28.57%		
	10,885	11	26.19%		
15	10,840	10	23.81%	400,000	Plug 15
	10,795	9	21.43%		
	10,705	12	28.57%		
	10,660	11	26.19%	400.000	
16	10,615	10	23.81%	400,000	Plug 16
	10,570	9	21.43%		
	10,480	12	28.57%		
47	10,435	11	26.19%	400.000	
17	10,390	10	23.81%	400,000	Plug 17
	10,345	9	21.43%		
	10,255	12	28.57%		
40	10,210	11	26.19%	400,000	
18	10,165	10	23.81%	400,000	Plug 18
	10,120	9	21.43%		
	10,030	12	28.57%		
19	9,985	11	26.19%	400,000	
15	9,940	10	23.81%	400,000	Plug 19
	9,895	9	21.43%		
	9,805	12	28.57%		
20	9,760	11	26.19%	400,000	
20	9,715	10	23.81%	400,000	Plug 20
	9,670	9	21.43%		
	9,580	12	28.57%		,
21	9,535	11	26.19%	400,000	
	9,490	10	23.81%	100,000	
	9,445	9	21.43%		
	EUD "	0.40			Desired sand
	EHD, "	0.43 <b>880</b>		8,400,000	4,174
		000		0,400,000	4,174

## OXY USA Inc. – Rum Runner 2 Federal Com #1H – 30-025-40095

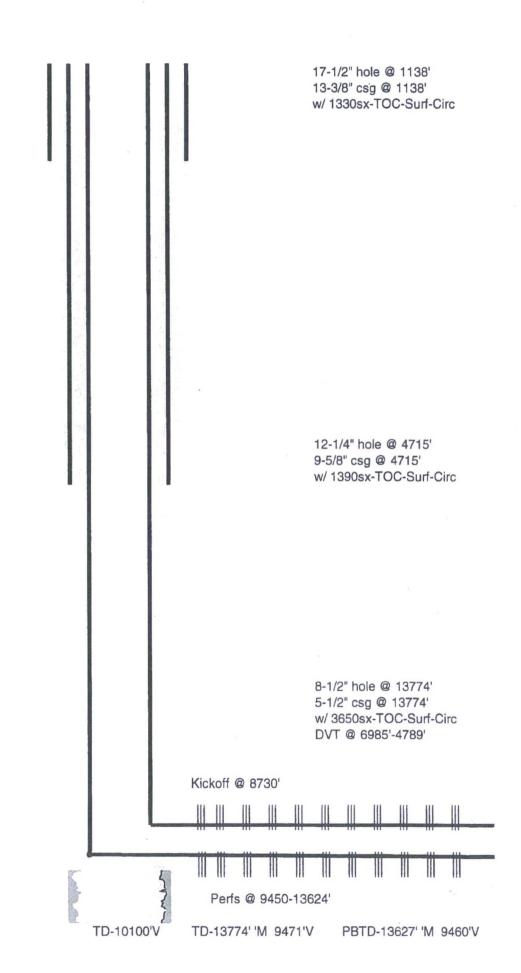
Slickw	ater 1 (	5,000 ft)			2000	#/ft_50 ft	x 4 Cluste	rs_Slickw	ater (5000	) ft)	
			Fluid Information					Proppant Information			
	Time		Rate	Clean	Dirty	Cum, Dirty		Prop. Conc.		Stage Sand	Cum. Sand
	[min]	Туре	[bpm]	[gals]	[gals]	[gals]	Description	[PPA]	Description	[lbs]	[lbs]
1	9.52	Breakdown	20	8000	8,000	8,000	Slick Water			. e.	14.
2	11.11	Acid	30	2000	2,000	10,000	15% HCI			100	
3	20.04	Pad	80	30000	30,000	40,000	Slick Water				
4	25.99	Sand-Laden	80	20000	20,226	60,226	Slick Water	0.25	100 Mesh	5,000	5,000
5	31.94	Sand-Laden	80	20000	20,452	80,679	Slick Water	0.50	100 Mesh	10,000	15,000
6	40.87	Sand-Laden	80	30000	31,018	111,697	Slick Water	0.75	100 Mesh	22,500	37,500
7	51.29	Sand-Laden	80	35000	36,584	148,280	Slick Water	1.00	100 Mesh	35,000	72,500
8	63.79	Sand-Laden	80	42000	44,375	192,656	Slick Water	1.25	100 Mesh	52,500	125,000
9	78.67	Sand-Laden	80	50000	53,394	246,049	Slick Water	1.50	100 Mesh	75,000	200,000
10	83.13	Sweep	80	15000	15,000	261,049	Slick Water				200,000
11	88.19	Sand-Laden	80	17000	17,385	278,434	Slick Water	0.50	40/70 White	8,500	208,500
12	94.15	Sand-Laden	80	20000	20,905	299,339	Slick Water	1.00	40/70 White	20,000	228,500
13	100.10	Sand-Laden	80	20000	21,131	320,470	Slick Water	1.25	40/70 White	25,000	253,500
14	107.54	Sand-Laden	80	25000	26,697	347,167	Slick Water	1.50	40/70 White	37,500	291,000
15	115.87	Sand-Laden	80	28000	30,217	377,384	Slick Water	1.75	40/70 White	49,000	340,000
16	124.80	Sand-Laden	80	30000	32,715	410,099	Slick Water	2.00	40/70 White	60,000	400,000

OXY USA Inc. - Proposed Rum Runner 2 Federal #1H API No. 30-025-40095



610sx @ 10100-8520' Tagged

OXY USA Inc. - Current Rum Runner 2 Federal #1H API No. 30-025-40095



610sx @ 10100-8520' Tagged