

## Completion Data

**Well Name: UL MOCKINGBIRD 13-2 A 1JM**

API/UWI 42-317-43700	Well ID Number 1000428200	Operational Field Name UL Cats	License # 871518	State/Province Texas	Well Configuration Type Horizontal
Original KB Elevation (ft) 2,941.00	KB-Tubing Head Distance (ft)	Spud Date 1/3/2022 22:30	Rig Release Date 3/9/2022 06:00	PBTD (All) (ftKB)	Total Depth All (TVD) (ftKB)

Job Category <b>COMPLETION</b>	Primary Job Type Initial Completion	Secondary Job Type	Status 1
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APE Number <b>DC-1000428200CM</b>	Start Date 3/14/2022 06:00	End Date 4/30/2022 06:00
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Rpt #	End Date	Summary
1.0	3/15/2022	Petro Mechanical installed Surface & Intermediate risers. Filled Cellars W/ pea gravel. LG
2.0	3/16/2022	HMJPSM with all on location.  MIRU Underdog Wireline, spotting equipment, and fixing to begin bond logging on wells with pressure. Our pump truck from outlaw stopped on roadway. Mechanic is working on it. Continue rigging up wireline.  Wireline rigged up tools. Radial Bond logging tools with 4.625 GR/ JB, total length of tools 20.77'. Surface weight 195 lbs. Open well 15-3/4 turns. RIH W/ wireline tool string. Photo to follow.  RIH with Tools and found bottom at the depth of 9236'. Est. TOC 2000' below surface.  Outlaw pump truck arrived, don't have proper 1502 union. They headed back to yard to get right connection. Got parts for pump line pressures up to 1500 psi, pulling log currently. POOH logging. Logged out of hole with pressure on casing, maintained 1500 psi. SD @ 9236' MJ 8298-8318' Made 6' correction ETOC 2000' OOH at 13:10 Well secured, all valves on well shut in. Move to B-2 MS well.  LG
3.0	3/20/2022	HMJPSM with all on location. Spotting in Petroplex pumping services equipment and begin rigging up to open toe sleeve. Torque wrench broke while torquing down night cap, replacement 2 hours out. Move to next well that's torqued up.  Rigged up, primed pump and flushed lines. Pressure tested all surface equipment to 9000 psi. Had good test, bled off. Open LMV 15-3/4 turns, well 170 psi. Begin filling casing to attain 3000 psi on casing, took 5.0 bbls. Held 3000 psi for 5 minutes, no leak off. Good test. Walk pressure to 6500 psi, took 5.5 bbls for total of 10.5 bbls pumped. Held 6500 psi for 15 minutes. Lost 25 psi over 15 minutes. 1-13/16 valve has drip, it's closed and needs grease. Walked pressure up to 7544 psi, sleeve opened, fell off to 1600 psi 2 bpm.  Continue pumping increasing rate: 4 bpm 2860 psi 6 bpm 3100 psi 10 bpm 3500 psi 13 bpm 3960 psi 15 bpm 4162 psi 100 bbls pumped 15.3 bpm pressure at 3489 psi 200 bbls pumped 15.3 bpm pressure at 3246 psi 300 bbls pumped 15.3 bpm pressure at 3284 psi Pumped total of 320 bbls TLTR 320 bbls ISIP 809 psi 5 mins. 726 psi 10 mins. 691 psi 15 mins. 661 psi Shut well in 15-3/4 turns on LMV. Checked all valves on well head, closed well. Rigged down moved equipment to next well for toe prep. Well secured, all valves closed. Ready for Frac Ops.  LG
4.0	4/1/2022	MIRU HES and Support Equipment

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Rpt #	End Date	Summary
5.0	4/2/2022	MIRU Frac  Frac: 1 WL: 1  NPT: 1.42 - CCL not reading  @ report time: Waiting on adj well
6.0	4/3/2022	Frac: 2-4 WL: 3-5  NPT: 5.19  At report time: Wait on adj well ops
7.0	4/4/2022	Frac: 5-8 WL: 6-9  NPT:  At report time: Fracing stage 9
8.0	4/5/2022	Frac: 9-12 WL: 10-12  NPT: 1.87 hrs Nine Energy, gun misrun  At report time: WL Stage 13
9.0	4/6/2022	Frac: 13-14 WL: 13-15  NPT:  At report time: Fracing stage 15
10.0	4/7/2022	Frac: 15-17 WL: 16-18  NPT:  At report time: Frac Stage 18
11.0	4/8/2022	Frac: 18-20 WL: 19-21  NPT:  At report time: WO adjacent well ops
12.0	4/9/2022	Frac: 21-23 WL: 22-24  NPT: .26 HRS Pump Maint  At report time: WO Adjacent well ops
13.0	4/10/2022	Frac: 24-26 WL: 25-26  NPT: 0 hrs  At report time: WL stage 27
14.0	4/11/2022	Frac: 27-29 WL: 27-29  NPT: .1 hrs datavan comm issues  At report time: P&P Stage 30
15.0	4/12/2022	Frac: 30-32 WL: 30-32  NPT: .08 Failed PT  At report time: WL Stage 33

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Rpt #	End Date	Summary
16.0	4/13/2022	Frac: 33-34 WL: 33-35  NPT: 0.42 Pump Maint. 0.49 Failed PT  At report time: Frac Stage 35
17.0	4/14/2022	Frac: 35-37 WL: 36-38  NPT: .12 Hrs Pump Maint.  At report time: Frac Stg 38
18.0	4/15/2022	Frac: 38-40 WL: 39-41  NPT: 0 hrs  At report time: Frac Stage 41
19.0	4/16/2022	Frac: 41-44 WL: 42-44  NPT: 0 hrs  At report time: WL Stg 45
20.0	4/17/2022	Frac: 45-47 WL: 45-48  NPT: 0 hrs  At report time: Wait on adjacent well ops
21.0	4/18/2022	Frac: 48-50 WL: 49-51  NPT: 0.31 hrs Pump Maintenance  At report time: WO adjacent well ops
22.0	4/19/2022	Frac: 51-52 WL: 52  NPT:  At report time: RDMO
23.0	4/20/2022	RDMO
24.0	4/26/2022	MIRU Brigade #29 all support equipment. Spot pipe racks and begin loading tubing. RIH W BHA
25.0	4/27/2022	HSM  RIH, DO plugs 1-21.  Continue 24 hr ops.  TD/KH
26.0	4/28/2022	HSM  DO plugs 22-43.  Cont 24 hr ops.  TD/KH

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27.0	4/29/2022	HSM  DO plugs 44-52. Circ 2X BU, POOH. Continue 24 hr ops.  TD/KH
28.0	4/30/2022	Rig costs for ESP