



Merchant State Unit #510H: Drilling Summary

Well Details									
Well Name: Merchant State Unit #510H				State: New Mexico			Operator: Advance Energy Partners		
API: 30-025-46702				County: Lea			Contractor: H&P		
Job Name: New Drill				Lease: Merchant State Unit			Objective:		

Casing Details									
Casing Type	OD	ID	Weight	Grade	Connection	Length	TMD	TVD	Date Csg Run
Surface	13.625	12.620	54.50	J55	BTC	1803	1799	1799	1/23/2020
Intermediate - Split Bottom	9.625	8.835	40.00	HCL-80	LTC	1414	5337	5337	1/30/2020
Intermediate - Split Top	9.625	8.835	40.00	J55	LTC	3892	3923	3923	1/30/2020
Production	5.500	4.778	20.00	HCP110	CDC HTQ	20787	20737		2/22/2020

Key Time Stamps

TimeStamp	Date	Time
Spud	1/22/2020	05:30
TD Surface	1/22/2020	22:00
Rig Release from Surface	1/23/2020	10:00
Rig Accept for Intermediate	1/28/2020	14:30
Tag Cement for Intermediate	1/28/2020	22:00
TD Intermediate	1/29/2020	18:00
Rig Release from Intermediate	1/30/2020	16:00
Rig Accept for Vertical	2/9/2020	11:00
Tag Cement for Vertical	2/9/2020	18:00
TD Vertical	2/11/2020	06:00
Start Curve	2/11/2020	16:00
Land Curve	2/12/2020	09:00
Start Lateral	2/13/2020	03:00
TD Lateral	2/21/2020	17:30
Bump Plug	2/23/2020	15:00
Rig Release	2/23/2020	21:30

Phase Hours

Phase	Hours
Production Lateral Drilling	231.5
Production Vertical Drilling	44.5
Production Curve Drilling	30.5
Intermediate Vertical Drilling	37.0
Surface Drilling	22.5
Skid	10.5
Surface Casing	7.0
Intermediate Casing	10.0
Production Cement	7.5
Production Casing	28.5

Activity Hours

Activity	Hours
Drilling	244.5
Trips	67.5
Run Csg & Cement	48.0
Dir Work	13.5
Other	17.0
Cond Mud & Circ	12.5
Reaming	4.5
Test B.O.P.	4.0
Rig Service	6.0
Cut off Drill Line	2.5
Nipple Up B.O.P.	3.0
Repair Rig	3.0

NPT Hours

Category	Hours
Intrepid	9.5
H&P	4.5

NPT Hours

Category	Hours
Directional	9.5
Equipment Failure	3
Rig - Code 8	1.5

