

Submit 1 Copy To Appropriate District Office

District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised July 18, 2013

WELL API NO. 30-025-42202
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Slick Mesa 27 State
8. Well Number 2H
9. OGRID Number 14187
10. Pool name or Wildcat Grama Ridge; Bone Spring, NE

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Marshall & Winston, Inc.

3. Address of Operator

P. O. Box 50880, Midland, TX 79710-0880

4. Well Location

Unit Letter M : 531 feet from the South line and 660 feet from the West line

Section 27 Township 21S Range 34E NMPM County Lea

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

3716' GR

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐ CHANGE PLANS ☐

PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐

DOWNHOLE COMMINGLE ☐

CLOSED-LOOP SYSTEM ☐

OTHER: Added more frac stages ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ P AND A ☐

CASING/CEMENT JOB ☐

OTHER: Added more frac stages ☒

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

08/10/15 Trip in w/ seal assy, 1 jt 5 1/2" 17# P-110 Ultra Flush Csg, float sub, 5 1/2" csg, torque to 8700#.

08/11/15 PU 238 jts 5 1/2" csg f/ 10546' - surface.

08/12/15 Pump 20 bbl spacer followed w/ 80 bbl cmt. Circ 13 bbl cmt to surface.

08/14/15 Perf f/ 15145-15050' (21 holes). Prep to frac.

08/19/15 **Frac Stage #1** w/ 4998 gal 15% acid, 273336 gal pad, 243766 gal sand laden fluid, 17808 gal flush & 5460 gal brk dwn. Proppant properties - 68233# 100 Mesh, 150482# 40/70 Prem Sd & 120043# 30/50 Prem Sd.

08/20/15 Perf f/ 14860-14190' (45 holes).

08/23/15 **Frac Stage #2** w/ 11256 gal 15% acid, 334908 gal pad, 230292 gal sand laden fluid, 17430 gal flush & 2562 gal brk dwn. Proppant properties - 79953# 100 Mesh, 157838# 40/70 Prem Sd & 148119# 30/50 Prem Sd. Perf f/ 13453 - 121153' (45 holes).

08/24/15 **Frac Stage #3** w/ 13440 gal 15% acid, 330120 gal pad, 233925 gal sand laden fluid, 17640 gal flush & 5040 gal brk dwn. Proppant properties - 79135# 100 Mesh, 165200# 40/70 Prem Sd & 149778# 30/50 Prem Sd. Perf f/ 12023 - 11652' (45 holes). **Frac Stage #4** w/ 14441 gal 15% acid, 30030 gal pad, 63446 gal sand laden fluid, 17640 gal flush & 68166 gal brk dwn. Proppant properties - 48640# 40/70 Prem Sd & 47000# 30/50 Prem Sd. Prep to flowback.

Spud Date:

01/11/15

Rig Release Date:

02/25/15

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

TITLE Engineer

DATE 09/10/15

Type or print name Gabe Herrera

E-mail address: gherrera@mar-win.com PHONE: 432-684-6373

For State Use Only

APPROVED BY:

TITLE

Petroleum Engineer

DATE

09/15/15

Conditions of Approval (if any):

SEP 15 2015

Fracture Date:	8/19/2015	<---Enter Info Here
State:	New Mexico	<---Enter Info Here
County:	Lea	<---Enter Info Here
API Number:	30-025-42202	<---Enter Info Here
Operator Name:	Marshall & Winston	<---Enter Info Here
Well Name and Number:	Slick Mesa 27 State #2H	<---Enter Info Here
Longitude:	-103.463688	<---Enter Info Here
Latitude:	32.444001	<---Enter Info Here
Long/Lat Projection:	NAD27	<---Enter Info Here
Production Type:	Oil	<---Enter Info Here
True Vertical Depth (TVD):	15,400	<---Enter Info Here
Total Water Volume* (gal):	1,926,246	<---Enter Info Here
		Formula: DO = (TVD * 8.33 * TVD) / 1728
		DO = 0

Hydraulic Fracturing Fluid Composition:							Total Slurry Amount (Gal)		Total Slurry Mass (Lbs)		
							1,981,266		17,322,690		
Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Conc. in Additive (% by mass)**	Materials	Total for Well	Specific Gravity	Volume per Component (Gallons)	Mass per Component (LBS)	Maximum Ingredient Concentration in HF Fluid (% by mass)**
Water		Carrier / Base Fluid	Water	7732-18-5	100.00%	Water	1,926,246	1.000	1,841,389	15,338,766	88.54726%
Sand (Proppant)		Proppant	Silica	14808-60-7	100.00%	Sand (LBS)	1,215,420	2.630	55,479	1,215,420	7.01635%
Hydrochloric Acid	Reagent Chemical		Hydrogen Chloride	7647-01-0	40.00%	HCL	36,000	1.180	36,000	353,858	0.81710%
			Water	7732-18-5	67.00%		36,000	1.000	36,000	299,880	1.15986%
IC-5	Economy Polymers	Iron Control	Acetic Acid	64-19-7	60.00%	IC-5	180	1.126	180	1,688	0.00585%
			Citric Acid	77-92-9	30.00%		180	1.126	180	1,688	0.00292%
			Water	7732-18-5	60.00%		180	1.000	180	1,499	0.00519%
CI-200	Economy Polymers	Corrosion Inhibitor	Methanol	67-56-1	60.00%	CI-200	108	0.837	108	753	0.00261%
LGW-01	Economy Polymers	Gellant	Petroleum Distillates	64747-47-8	60.00%	LGW-01	2,399	1.050	2,399	20,983	0.07268%
			Polysaccharide Blend	NA	60.00%		2,399	1.050	2,399	20,983	0.07268%
CL-03	ASK Chemical	Crosslinker	Potassium Hydroxide	1310-58-3	25.00%	CL-03	502	1.335	502	5,583	0.00806%
			Ethylene Glycol	107-21-1	25.00%		502	1.335	502	5,583	0.00806%
			Proprietary Component	NA	25.00%		502	1.335	502	5,583	0.00806%
			Proprietary Component	NA	15.00%		502	1.335	502	5,583	0.00483%
			Proprietary Component	NA	10.00%		502	1.335	502	5,583	0.00322%
BR-1	Economy Polymers	Breaker	Ammonium Persulfate	7727-54-0	98.00%	BR-1 (LBS)	770	1.980	47	770	0.00436%
CS01	Colossal Chemical	Clay Stabilizer	Methanol	67-56-1	100.00%	CS01	261	1.72	18	261	0.00151%
StimENX	CESI Chemical	Surfactant	Isopropyl Alcohol	67-63-0	30.00%	STIMENX	0	1.72	0	0	0.00000%
FR-01	Economy Polymers	Friction Reducer	Trade Secret	Trade Secret	100.00%	FR01	1,707	1.020	1,707	14,504	0.08373%
NE-602	Environmental Energy Service	Surfactant	Trade Secret	Trade Secret	100.00%	NE-601	821	1.020	821	6,976	0.04027%
BC-50	Colossal Chemical	Biocide	Triazine/Triethanol	4719-04-4	60.00%	BC-1058	487	1.100	487	4,462	0.01546%
			Methanol	67-56-1	5.00%		487	1.100	487	4,462	0.00129%
SI-300	Colossal Chemical	Scale Inhibitor	Sodium Chloride	7647-14-5	7.00%	SI-300	438	1.072	438	3,911	0.00158%
			Methanol	67-56-1	30.00%		438	1.072	438	3,911	0.00677%