UICI - ___011___

C-103s

Office State of New 1	- Andrews	Form C-103	
District 1 - (575) 393-6161 Energy, Minerals and N	atural Resources	Revised July 18, 2013	
1625 N. French Dr., Hobbs, NM 88240 District II - (575) 748-1283		WELL API NO. 30-045-35747	
811 S. First St., Artesia, NM 88210 OIL CONSERVATION		5. Indicate Type of Lease	
District III - (505) 334-6178 1220 South St. F	THE PERSON NAMED IN CO.	STATE FEE X	
District IV - (505) 476-3460 Santa Fe, NM 87505	87505	6. State Oil & Gas Lease No.	
SUNDRY NOTICES AND REPORTS ON WEL (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR DIFFERENT RESERVOIR, USE "APPLICATION FOR PERMIT" (FORM C-101	PLUG BACK TO A	7. Lease Name or Unit Agreement Name	
PROPOSALS.) Type of Well: Oil Well Gas Well Other Waste Water Disposal Well		8. Well Number WDW #2	
2. Name of Operator		9. OGRID Number 267595	
Vestern Refining, Southwest, Inc.			
3. Address of Operator #50 County Road 4990 (PO Box 159), Bloomfield, NM 87413		10. Pool name or Wildcat SWD; Entrada	
4. Well Location			
		feet from the East line	
Section 27 Township 29N	Range IIW	NMPM San Juan County	
11. Elevation (Show whether I	DR, KKB, KI, GK, etc.,	Proprietary Services	
12. Check Appropriate Box to Indicate	Nature of Notice	Report or Other Data	
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:		SEQUENT REPORT OF:	
PERFORM REMEDIAL WORK PLUG AND ABANDON	REMEDIAL WOR		
TEMPORARILY ABANDON	COMMENCE DRI	the state of the s	
PULL OR ALTER CASING MULTIPLE COMPL	CASING/CEMENT	T JOB	
DOWNHOLE COMMINGLE			
CLOSED-LOOP SYSTEM	OTHER: X F	OTUED. V Facility Officially Falsada	
OTHER: 13. Describe proposed or completed operations. (Clearly state a		racture Stimulate Entrada	
of starting any proposed work). SEE RULE 19.15.7.14 NM proposed completion or recompletion.			
Western Refining Southwest, Inc. intends to fracture stimulate the Entrada th	rough the existing perfor	ations (7312' - 7470') w/ 246,000 lbs of premium	
white sand in a 23 lb cross linked gel system at rates of \sim 50 bpm. Please set			
	-		
Spud Date: 8/15/2016 Rig Release	Date: 9/9/2	016	
hereby certify that the information above is true and complete to the	best of my knowledge	e and belief.	
SIGNATURE COLL TITLE	Engineer/Agent	DATE 4/7/2017	
Type or print nameJohn Thompson E-mail address:For State Use Only	john@walsheng.net	PHONE:	
APPROVED BY: Carl J. Change TITLE &	nvironmental E	ngineer DATE 4/24/2017	

Western Refining Southwest, Inc. (UICI-011) UIC Class I (Non-hazardous) Injection Well WDW-2 (API #: 30-045-35747)

C-103 "Fracture Stimulate Entrada" OCD Santa Fe and Aztec District Conditions of Approval (4/26/2017)

- 1) The operator shall submit a "Net Pressure Plot" from fracture stimulation within 30-days of well work completion. The plot shall verify that any or all fracturing occurred within the Entrada Formation.
- The Oil and Gas Act applies to all UIC Class II operations on all lands within the state of New Mexico including federal lands. OCD Rule 19.15.16 NMAC was amended pursuant to the Oil and Gas Act and hydraulic fracturing fluid disclosure form requirements became effective February 12, 2012. 19.15.16.19(A) NMAC requires that "within 20 days after the completion of a well drilled under oil or gas laws, or the recompletion of a well into a different common source of supply, the operator shall file a completion report with the division . . .[disclosing] whether the well has been hydraulically fractured." Rule 19.15.16.19(B) NMAC requires that "for a hydraulically fractured well, the operator shall also complete and file the OCD's hydraulic fracturing disclosure form within 45 days after completion of the well." Disclosure on FracFocus is not a substitute for the Rule 19.15.16.19 NMAC disclosure requirements. Operators who have not complied with Rule 19.15.16 NMAC disclosure requirements and do not submit the OCD's hydraulic fracturing disclosure form will be considered in violation of 19.15.16 NMAC and the Oil and Gas Act.
- 3) The operator shall comply with the applicable provisions of the OCD approved Discharge Permit, i.e., MITs after well workovers.

Please be advised that OCD approval does not relieve Western Refining Southwest, Inc. from responsibility should its operations pose a threat or impact to groundwater, human health or the environment. In such event, OCD may order the operator to plug and abandon its well pursuant to the Water Quality Control Commission Regulations. In addition, OCD approval does not relieve Western Refining Southwest, Inc. of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Western Refining, Southwest - WDW #2

2028' fnl & 111' fse SECTION 27,T29N, R11W SAN JUAN COUNTY, NEW MEXICO API #: 30-045-35747

ENTRADA STIMULATION POCEDURE

See WBD for wellbore information

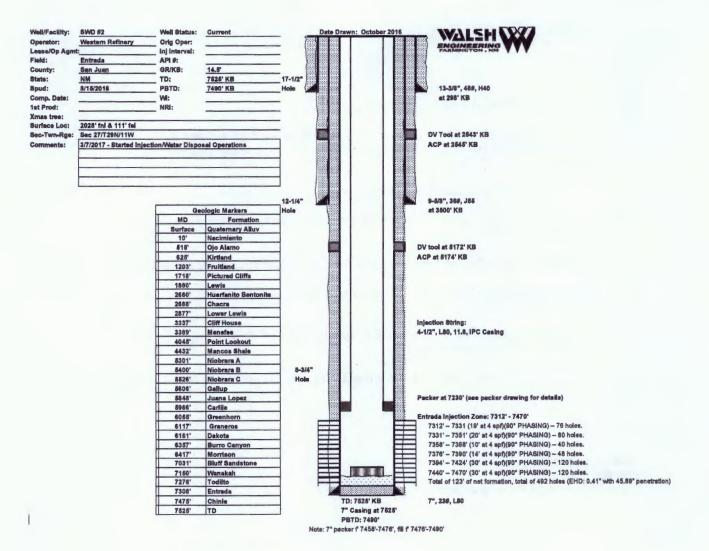
- All personal must check in at Western office prior to entering location.
- 2. Spot 8 ea. 400 bbl frac tanks and fill with 2% KCl water (may use water from refinery if chemical tests show that water is compatible with Halliburton Delta 200 system).
- 3. RU slick line company and RIH w/ 2.81" blanking plug and set in XN Profile Nipple in Weatherford packer that is set at 7230' KB.
- 4. MOL & RU service rig. ND WH & NU BOPE. Set pipe racks for laying down/picking up casing.
- 5. TOH, laying down 4-1/2" IPC casing string and seal assembly.
- 6. Install seal assembly with 3-1/2" change over. PU and RIH w/ 3-1/2" casing
- 7. Space out & land in WH with tubing hanger. NU WH & 10K frac valve.
- RD rig & related equipment & MOL. Have slick line pull blanking plug from packer. SD operations until frac crew is available.
- RU Halliburton Frac crew. PT pumps & lines to 9000 psi. Note: Max STP for job is 8100 psi.
- 10. Note: Refer to Halliburton Procedure for Frac Details. Frac Entrada with 246,000# 20/40 Premium White sand In 107,900 gal of 23# X-linked gel water@ 50 BPM. Bottom hole pressure to be monitored by computer van. All sand to be tagged w/ 0.40 mci/1000# Ir-192 tracer. Anticipated surface pressure= 2350 psi. Max pressure = 3500 psi. Frac using the following schedule:

STAGE	Clean Volume (GALS.)	Sand (lbs)
Pad	20,000	
1.0 ppg	19,500	19,500
2.0 ppg	18,500	37,000
3.0 ppg	17,500	52,500
4.0 ppg	25,000	100,000
5.0 ppg	7400	37,000
Flush	<u>3121</u>	All Alphable con may nine CO
Totals	111,021	246,000#

- Make all sand is displaced below packer. RD & Release frac crew. Consolidate frac water and release frac tanks. RU slick line & RIH w/ 2.81" blanking plug and set in XN profile nipple in packer.
- MOL & RU. Remove frac valve & NU WH & BOPE. Set pipe racks for laying down/picking up casing.

- 13. Lay down 3-1/2" frac string & haul back to Cave Tubulars.
- 14. RIH w/ seal assembly and 4-1/2" IPC casing. Circulate "packer fluid" and land in packer/wellhead as before. Pressure up one 4-1/2" & 7" annulus to 500 psi and make sure it holds and will pass MIT test.
- 15. RU slickline & RIH. Retrieve blanking plug from profile nipple in packer.
- Monitor well for pressure, which will determine if flowback will be necessary or clean operations can begin.
- 17. After flowback, PU 2-3/8" work string w/ 1-1/4" tail pipe to clean through and below 7" packer.
- 18. Reverse out down to PBTD (7476'). Once, sand inflows have diminished TOH, laying down 2-3/8" work string and tailpipe.
- Set blanking plug in packer w/ slick line (if necessary). ND BOP & related equipment. NU WH and manifold flowlines back in place.
- 20. Remove blanking plug from packer. Return well to injection status. Schedule MIT w/ NMOCD.

John Thompson Engineer Walsh Engineering & Production Corp.



Western Refinery SWD #2

