

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 87240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
May 27, 2004

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

WELL API NO. 30-025-25130
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name: Mark Owen
8. Well Number 7
9. OGRID Number 14021
10. Pool name or Wildcat Eunice San Andres, South (24170)

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3367' GR

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____

Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____

12. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>
PLUG AND ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
CHANGE PLANS <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
MULTIPLE COMPLETION <input type="checkbox"/>	
OTHER: <input type="checkbox"/>	OTHER: Re-complete to San Andres <input checked="" type="checkbox"/>

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 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Marathon Oil Company has completed operations to plug back the downhole commingled Wantz Abo & Wantz Granite Wash formations, and re-complete to the Eunice San Andres South formation in the Mark Owen No. 7. Please see attached work summary for details of well work done.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐ , a general permit ☐ or an (attached) alternative OCD-approved plan ☐

SIGNATURE Charles E. Kendrick TITLE Engineering Technician DATE 02/07/2006

Type or print name **Charles E. Kendrick**

E-mail address: **cekendrix@marathonoil.com**

Telephone No. **713-296-2096**

For State Use Only

APPROVED BY [Signature] TITLE PETROLEUM ENGINEER DATE FEB 15 2006

Conditions of Approval, if any:

2A Wantz Abo & Wantz Granite Wash

Marathon Oil Company

Operations Summary Report

Page 1 of 3

Legal Well Name: MARK OWEN NO 7
 Common Well Name: MARK OWEN NO 7
 Event Name: RECOMPLETION
 Contractor Name: KEY ENERGY SERVICES
 Rig Name: KEY ENERGY SERVICES

Spud Date:
 End:
 Group:

Start: 12/2/2005
 Rig Release:
 Rig Number: 163

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
12/2/2005	09:30 - 10:30	1.00	RURD__	RIG__	MIRU	Held safety meeting. MIRU Pulling Unit. RU Reverse Unit.
	10:30 - 14:30	4.00	RUNPUL	RODS	RODOP	Unhung well. Had trouble unseating pump. Worked to unseat pump. Unseated pump. POOH w/ 85 - 7/8" Steel Rods, 30 - 3/4" Steel Rods. Lay All Rods down on ground in singles. Wind was too High to continue to pull and laydown rods. RU Hot Oiler.
12/5/2005	14:30 - 17:00	2.50	PUMP__	WTR__	RODOP	Pump 75 bbls Hot Water with Pariffin Chemical down tubing to Clean Pariffin from rods and tubing. RD Hot Oiler.
	17:00 - 17:30	0.50	SECURE	WELL	RODOP	Closed well in. Secure Well. SDFWE.
	08:00 - 08:30	0.50	RUNPUL	RODS	RODOP	Held safety meeting.
	08:30 - 11:00	2.50	RUNPUL	RODS	RODOP	Finish out of Hole w/ Rods, and 1-1/2" Rod Insert Pump. Lay All Rods down on ground in singles.
	11:00 - 13:30	2.50	NUND__	BOPE	RODOP	Kill Well. NDWH, NUBOP, rigged up to pull out of hole.
12/6/2005	13:30 - 15:30	2.00	RUNPUL	TBG__	RODOP	POOH w/ 240 Jts 2-3/8" J-55 Tubing.
	15:30 - 17:30	2.00	RUNPUL	TBG__	RODOP	RIH w/ 4-3/4" Bit, 5-1/2" Casing Scraper, and 217 Jts 2-3/8" Tubing. Ran Bit to 6632'.
	17:30 - 18:00	0.50	RUNPUL	TBG__	RODOP	POOH w/ 30 Jts 2-3/8" J-55 Tubing. Leave 186 Jts in hole for kill string. Leave bit swinging above all perforations.
	18:00 - 18:30	0.50	SECURE	WELL	RODOP	Closed well in. Secure Well. SDFN.
	07:30 - 08:00	0.50	SAFETY	MTG__	CMPPRF	Held safety meeting.
	08:00 - 11:30	3.50	RUNPUL	TBG__	CLNOUT	POOH and Laydown on tubing racks 187 Jts 2-3/8" Tubing. Laid down all but 30 Jts 2-3/8" Tubing.
	11:30 - 12:00	0.50	SAFETY	MTG__	CMPPRF	Rig up Baker Atlas Gamma Ray/CCL Logging tools and Perforating Equipment. Held safety meeting.
	12:00 - 14:30	2.50	TEST__	EQUIP	CMPPRF	Assemble CCL/ Gamma Ray on 5-1/2" CIBP. PU Lubricator and Pressure Test Lubricator to 1000 psi. Held Pressure. RIH Get on Depth. Run GR/CCL from 4250' to 3800'. Set CIBP @ 6550'. POOH.
	14:30 - 16:00	1.50	PUMP__	WTR__	RODOP	Load 5-1/2" Casing with 150 bbls Water. Pressure Test Casing and CIBP to 1000 psi. Held Pressure. Bleed off Pressure.
	14:30 - 15:00	0.50	PERF__	CSG__	CMPPRF	Arm and PU Perforating Gun. RIH w/ 3-1/8" Slick Gun Carrier w/ 311T w/ 23 gram Charges w/ 1 JSPF, 120 deg phasing w/ Collar Locator. Get on Depth. Perforate f/ 4108' - 4128'. POOH with Wire Line.
12/7/2005	16:00 - 17:30	1.50	PERF__	CSG__	CMPPRF	Arm and PU Perforating Gun. RIH w/ 3-1/8" Slick Gun Carrier w/ 311T w/ 23 gram Charges w/ 1 JSPF, 120 deg phasing w/ Collar Locator. Get on Depth. Perforate f/ 4084' - 4108'. POOH with Wire Line.
	17:30 - 18:00	0.50	RURD__	ELEC	CMPPRF	Rig down Baker Atlas Perforating Equipment.
	18:00 - 18:30	0.50	RUNPUL	TBG__	CLNOUT	RIH w/ 30 Jts 2-3/8" Tubing for Kill String.
	18:30 - 19:00	0.50	SECURE	WELL	CMPSTM	Shut-in and Secure Well. SDFN.
	07:30 - 09:30	2.00	SAFETY	MTG__	CMPFLW	Held Safety Meeting. Open Well. POOH and Laydown 30 Jts 2-3/8" Tubing. Close Blind Rams. Move 2-3/8" Tubing from racks and Set 2-7/8" Tubing on Racks. Shut down because of Bad Weather.
12/8/2005	09:30 - 10:00	0.50	SECURE	WELL	CMPFLW	Shut-in and Secure Well. SDFN.
	07:30 - 09:00	1.50	SAFETY	MTG__	CMPFLW	Held Safety Meeting. Shut down because of Bad Weather.
12/9/2005	09:00 - 09:30	0.50	SECURE	WELL	CMPFLW	Shut-in and Secure Well. SDFN.
	07:30 - 08:00	0.50	SAFETY	MTG__	CMPPRF	Held safety meeting.
	08:00 - 09:00	1.00	SAFETY	MTG__	CMPPRF	Rig up Baker Atlas Perforating Equipment. Held perforating safety meeting.
	09:00 - 10:00	1.00	PERF__	CSG__	CMPPRF	Arm and PU Perforating Gun. RIH w/ 3-1/8" Slick Gun Carrier w/ 311T w/ 23 gram Charges w/ 1 JSPF, 120 deg phasing w/ Collar Locator. Get on Depth. Perforate f/ 4060' - 4084'. POOH with Wire Line. Initial Fluid Level @ 950' from surface.
	10:00 - 10:30	0.50	PERF__	CSG__	CMPPRF	Arm and PU Perforating Gun. RIH w/ 3-1/8" Slick Gun Carrier w/ 311T w/ 23 gram Charges w/ 1 JSPF, 120 deg phasing w/ Collar Locator. Get on Depth. Perforate f/ 4036' - 4060'. POOH with Wire Line. Fluid Level

Marathon Oil Company
Operations Summary Report

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Legal Well Name: MARK OWEN NO 7
Common Well Name: MARK OWEN NO 7
Event Name: RECOMPLETION
Contractor Name: KEY ENERGY SERVICES
Rig Name: KEY ENERGY SERVICES

Start: 12/2/2005
Rig Release:
Rig Number: 163
Spud Date:
End:
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
12/9/2005	10:00 - 10:30	0.50	PERF__	CSG__	CMPPRF	@ 950' from surface.
	10:30 - 11:00	0.50	PERF__	CSG__	CMPPRF	Arm and PU Perforating Gun. RIH w/ 3-1/8" Slick Gun Carrier w/ 311T w/ 23 gram Charges w/ 1 JSPF, 120 deg phasing w/ Collar Locator. Get on Depth. Perforate f/ 4012' - 4036'. POOH with Wire Line. Fluid Level @ 950' from surface.
	11:00 - 11:30	0.50	PERF__	CSG__	CMPPRF	Arm and PU Perforating Gun. RIH w/ 3-1/8" Slick Gun Carrier w/ 311T w/ 23 gram Charges w/ 1 JSPF, 120 deg phasing w/ Collar Locator. Get on Depth. Perforate f/ 3988' - 4012'. POOH with Wire Line. Fluid Level @ 950' from surface.
	11:30 - 12:00	0.50	PERF__	CSG__	CMPPRF	Arm and PU Perforating Gun. RIH w/ 3-1/8" Slick Gun Carrier w/ 311T w/ 23 gram Charges w/ 1 JSPF, 120 deg phasing w/ Collar Locator. Get on Depth. Perforate f/ 3964' - 3988'. POOH with Wire Line. Final Fluid Level @ 950' from surface.
	12:00 - 12:30	0.50	RURD__	ELEC	CMPPRF	Rig down Baker Atlas Perforating Equipment. Total of 164 holes perforated from 3964' to 4128'.
12/10/2005	12:30 - 15:00	2.50	TRIP__	TOOL	CMPSTM	RIH w/ 5-1/2" Production Packer, 2-7/8" Seating Nipple, and 125 Jts 2-7/8" J-55 Tubing. Set Packer @ 3872'.
	15:00 - 15:30	0.50	SECURE	WELL	CMPSTM	Shut-in and Secure Well. SDFN.
	08:00 - 08:30	0.50	SAFETY	MTG__	CMRUN	Held safety meeting. Open Well.
	08:30 - 09:00	0.50	PUMP__	WTR__	CMPPRF	Load Annulus. Pressure Test Annulus to 500 psi. Held Pressure.
	09:00 - 10:00	1.00	PUMP__	ACID	CMPSTM	RU Macklasky Acid Pump Truck. Test Lines to 5000 psi. Held Pressure. Started Pumping Water. Loaded Tubing. Broke down Formation on Water @ 2550 psi. Continued to Pump Water. Pump 6 bbls water Establish Rate @ 4.8 BPM @ 2380 psi. Switched to Acid. Pump 150 bbls (6300 gals) 15% Acid and Flushed w/ 50 bbls Water. Dropping 175 - 7/8" 1.1 sg Ball Sealers Pumped Acid @ 4.8 bpm @ 2000 psi. Pressure Dropped to 1600 psi when Balls on Formation. Saw Slight ball Action pressure increased to 1700 psi at end of flush. ISDP = 1100 psi. 5min= 460 psi. 10min=230 psi. 15min=120 psi. Shut in Well. RD Macklasky Acid Pump Truck. Bleed off tubing Pressure.
12/12/2005	10:00 - 10:30	0.50	RUNPUL	TBG__	CMRUN	Open Well. Well on Vacuum. Unset Packer. POOH w/ 10 Jts 2-7/8" J-55 Tubing. Reset Packer. Too Windy to Continue to Pull Tubing.
	10:30 - 11:00	0.50	SECURE	WELL	CMRUN	Shut-in and Secure Well. SDFWE.
	07:30 - 09:00	1.50	SAFETY	MTG__	RODOP	Held Safety Meeting. Check Tubing Pressure. Found 500 psi on Tubing. Bleed off Tubing Pressure. Kill Well w/ 12 bbls 9# Brine. Open Well up. Move Pipe Racks and Set Rods on Ground.
	09:00 - 10:30	1.50	RUNPUL	TBG__	CMPPRF	Unset Packer. POOH w/ Packer and 115 Jts 2-7/8" Tubing.
	10:30 - 13:30	3.00	RUNPUL	TBG__	CMPSTM	RIH w/ 2-7/8" Bull Plugged Perforated Tubing sub, 2-7/8" Seating Nipple, 1 Jt 2-7/8" Specail Alloy Jt, 11 Jts 2-7/8" Tbg, 2-7/8" x 5-1/2" TAC, and 127 Jts 2-7/8" tbg. Set TAC @ 3863' in 14 pts Tension. Set Seating Nipple @ 4231'. Set Bottom of Tubing @ 4236'. Producing Perforations from 3964' to 4128'. TAC set 101' above top perforation. Seating Nipple set 103' below bottom perforation.
12/13/2005	13:30 - 14:30	1.00	NUND	BOPE	XMBO	ND BOP, Set TAC in 14 pts Tension. Installed wellhead and Flowline.
	14:30 - 18:00	3.50	RUNPUL	RODS	RODOP	RIH w/ 2.00" RWBC pump, 10 - 1" KD rods, 105 - 7/8" KD Rods. Install Stuffing Box and Polish Rod to shut in Well.
	18:00 - 18:30	0.50	SECURE	WELL	RODOP	Secure Well. SDFN.
	08:30 - 09:00	0.50	SAFETY	MTG__	RODOP	Held Safety Meeting. Well on Vacuum. Open Well up.
	09:00 - 13:30	4.50	RUNPUL	RODS	RODOP	Continue to RIH w/ Rods. RIH w/ 2.00" RWBC pump, 10 - 1" KD rods, 105 - 7/8" KD Rods, 52 - 1.0" KD Rods, and 1.25"x26" PR w/ 1.50" x 16' Polsih Rod Liner. Hung well on. Space out Pump. L&T to 1000#. Held good w/ good pump action. Held roustabout Gang hook up Test Separator. Leave Well Producing to Test Facilities.