

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

HOBBS OCD
OCD-HOBBS
FEB 23 2012

FORM APPROVED
OMB No 1004-0137
Expires March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

1 Type of Well ☐ Oil Well ☐ Gas Well ☒ Other *Inj*

2. Name of Operator **Resaca Operating Company**

3a Address
1331 Lamar, Suite 1450 Houston, TX 77010

3b. Phone No (include area code)
432-580-8500

4 Location of Well (Footage, Sec., T, R., M., or Survey Description)
**660' FSL & 660' FEL
Sec. 5, T25S, R37E**

5 Lease Serial No. **12055546**

6 If Indian, Allottee or Tribe Name

7 If Unit or CA/Agreement, Name and/or No
Langlie Jal Unit NM 70970A

8 Well Name and No.
Langlie Jal Unit #63

9. API Well No
30-025-11451

10 Field and Pool, or Exploratory Area
Langlie Mattix 7 Rrs, Q, Grayburg

11 County or Parish, State
Lea, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Performed Remedial Work, Ran MIT
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13 Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Objective: Filing Delinquent Paperwork from previous operator. Charts & paperwork forwarded to me from previous operator's regulatory department.

9/08/11- MIRU PU. Prep to repair for MIT. Release Pkr and POOH, testing tubing. Pkr rubbers split. Made Bit and Scraper run to 4" Liner Top @ 3125'.

9/09/11- Cleaned out in 4" liner to 3405'. PU redressed 4" Baker AD-1 and tested tubing in the hole. Circulated Pkr fluid and set Pkr @ 3313' (Top Perf @ 3403').

9/12/11- RU, received verbal approval from OCD to proceed and perform MIT. Initail pressure- 575 psi. Final- 560 psi. Successful test. RDMO.

SEE ATTACHED ORDER OF AO

ACCEPTED FOR RECORD

FEB 17 2012

/s/ JD Whitlock Jr

14 I hereby certify that the foregoing is true and correct

Name (Printed/Typed) **Melanie Reyes** Title **Engineer Assistant**

Signature *[Signature]* Date **10/20/2011**

**BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____ Title _____ Date _____

Conditions of approval, if any, are attached Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon

Office _____

Title 18 USC Section 1001 and Title 43 USC Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

FEB 27 2012

RANGER 40 PETROLEUM, LLC

LEASE: LJU	RESERVOIRS	PERFORATIONS TOP BTM	CASING				SPUD DATE: 3/21/1937
WELL #WIW 63			SIZE	WT	GRD	CSA	COMP DATE: 7/30/1937
API: 30-025-11450			16"	70#		99	ELEVATIONS KB: 3212 GL: 3202 DF: 3210
FIELD: LANGLEIE MATTIX QUEEN			13"	50#		552	
LOCATION: 660' FSL 660" FEL S-5, T-25-S, R-37-E LEA COUNTY, NM			8 5/8"	28#		1170	
Directions to Location :	5 1/2"	17#		3270	UPDATED: 10/14/2011 BY: SDV		
	4"	TUBING					

CONDUCTOR PIPE

SIZE: 16"
 WT/GRD: 70#
 CSA: 99
 SX: 30
 CIRC: Y
 TOC: SURF
 HOLE SIZE: ?

CONDUCTOR PIPE

SIZE: 13"
 WT/GRD: 50#
 CSA: 552
 SX: MUD
 CIRC: N
 TOC: ?
 HOLE SIZE: ?

SURFACE CASING

SIZE: 8 5/8"
 WT/GRD: 28#
 CSA: 1,170
 SX: 100
 CIRC: Y
 TOC: ?
 HOLE SIZE: ?

PRODUCTION CASING

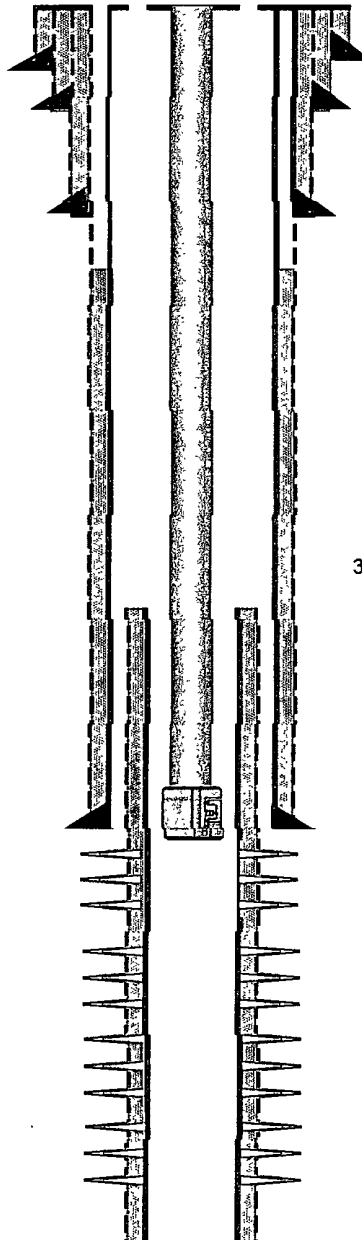
SIZE: 5 1/2"
 WT/GRD: 17#
 CSA: 3,270
 SX: 300
 CIRC: ?
 TOC: ?
 HOLE SIZE: ?

LINER

SIZE: 4"
 WT/GRD: 10.5#
 CSA: 3,655
 SX: 60
 CIRC: ?
 TOC: ?
 HOLE SIZE: 4 3/4"

TUBING INSTALLATION

4" Baker AD-1 @ 3313'
 2 3/8" 4.7# J-55 IPC TBG



99 16" 70# CSG
 552 13" 50# CSG
 1,170 8 5/8" 28# CSG

3125

TOP 4" LINER

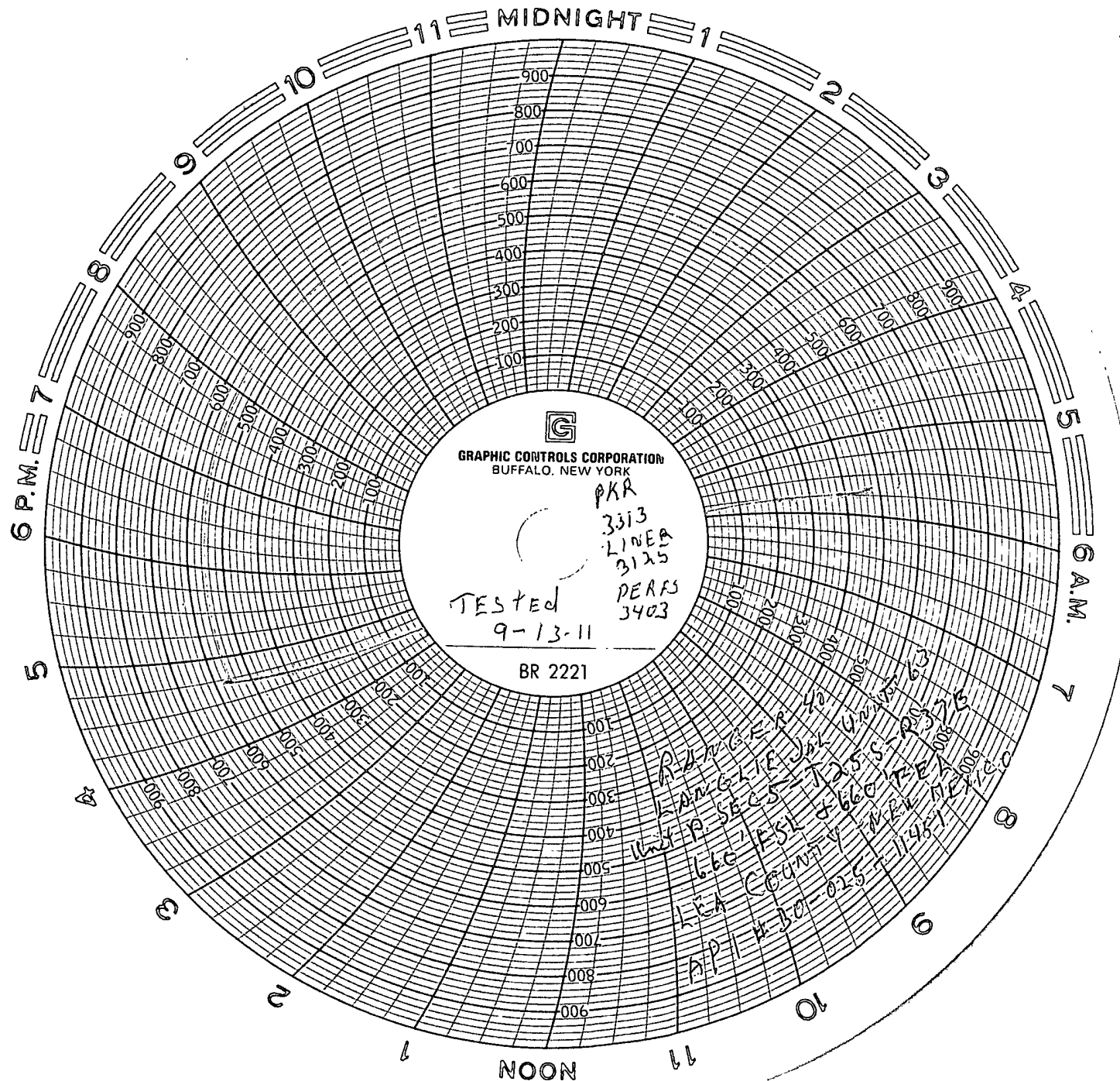
PERF: 3403', 3406', 3438', 3442', 3446', 3450', 3454',
 3458', 3482', 3486', 3472', 3476', 3480', 3484', 3488',
 3492', 3496', 3500', 3504', 3508', 3512', 3526', 3530',
 3534', 3438', 3442', 3446', 3450', 3454', 3464', 3467',
 3476', 3479', 3483', 3487', 3495', 3499'.(1
 JSPF)(9/75)(27 ttl holes) 3360'-72', 3390'-96', 3400'-
 08', 3418'-28', 3432'-56', 3464'-86', 3490'-3500',
 3504'-12', 3515'-24', 3526'-50'(3 JSPF), 3552'-56',
 3563'-69', 3575'-78', 3581'-86', 3593'-3608', 3611'-
 16', 3637'-43'(4/96)(2 JSPF).(477 ttl holes)

F: Shot open hole with 90 quarts nitro.(7/37) A: 3,500 gals
 15% Ne HCL.(9/75) A: 6,000 gals 7 1/2% HCL.(4/96)

3,270 5 1/2" 17# CSG

3655 BOTTOM 4" LINER

TD: 3655



Order of the Authorized Officer

Resaca Operating Company

Langlie Jal Unit - 063

API 3002511451

January 23, 2012

Well with a Packer - Operations

- 1) Conduct a Mechanical Integrity Test of the tubing/casing annulus after a tubing, packer or casing seal is established. Repair that seal any time more than five barrels of packer fluid is replaced within 30 days.
 - a) The minimum test pressure should be 500 psig for 30 minutes or 300 psig for 60 minutes, with 200 psig differentials between tubing and casing pressure (at test time) but no more than 70% of casing burst pressure as described by Onshore Order 2.III.B.1.h. (The tubing or reservoir pressure may need to be reduced). An alternate method for a BLM approved MIT is to have the fluid filled system open to atmospheric pressure and have a loss of less than five barrels in 30 days witnessed by a BLM authorized officer.
 - b) Document the pressure test on a calibrated recorder chart registering within 25 to 85 per cent of its full range. Greater than 10% pressure leakoff will be viewed as a failed MIT. Less than 10% pressure leakoff will be evaluated site specifically and may restrict injection approval.
 - c) At least 24 hours before the test: In Eddy County email Paul R. Swartz paul_swartz@blm.gov, (phone 575-200-7902). If there is no response phone 575-361-2822. In Lea County email Andy Cortez andy_cortez@blm.gov, (phone 575-393-3612 or 575-631-5801). Note the contact notification method, time, & date in your subsequent report.
 - d) Submit a subsequent Sundry Form 3160-5 relating the MIT activity. Include a copy of the recorded MIT pressure chart. List the name of the BLM witness, or the notified person and date of notification. NMOCD is to retain the original recorded MIT chart.
 - e) Use of tubing internal protection, tubing on/off equipment just above the packer, and an in line tubing check valve below the packer or between the on/off tool and packer is required. The setting depths and descriptions of each are to be included in the subsequent sundry. List (by date) descriptions of daily activity of any previously unreported wellbore workover.
 - f) **Submit the original subsequent sundry with three copies to BLM Carlsbad.**
- 2) Compliance with a NMOCD Administrative Order is required, submit documentation of that authorization.
 - a) Approved injection pressure compliance is required.
 - b) If injection pressure exceeds the approved pressure you are required to reduce that pressure and notify the BLM within 24 hours.
 - c) When injection pressure is within 50 psig of the maximum pressure, install automation equipment that will prevent exceeding that maximum.
 - i) Submit a subsequent report (Sundry Form 3160-5) describing the installed automation equipment within 30 days.
- 3) Other unexplained significant variations of rate or pressure to be reported within 5 days of notice.
- 4) The casing/tubing annulus is required to be monitored for communication with injection fluid or loss of casing integrity.

- 5) The annulus is to be maintained full of packer fluid at atmospheric pressure. Installation of equipment that will display on site, continuous open to the air fluid level is required. A BLM inspector may request verification of this fluid level at any time.
- 6) **Submit a subsequent report (Sundry Form 3160-5)** describing the installation of packer fluid level monitoring equipment within 30 days of beginning injection.
- 7) The operator shall keep monthly records documenting that the casing annulus is fluid filled. A suggested format for these records is available from the BLM Carlsbad Field Office. Copies of those records shall be furnished at the request of a BLM authorized officer.
- 8) Loss of packer fluid above five barrels per month requires notification of the BLM authorized officer within 5 days.
- 9) Gain of annular fluid requires notification within 24 hours. Cease injection and maintain a production casing pressure of Opsia. Notify the BLM's authorized officer (Paul R. Swartz paul.swartz@blm.gov phone 575-200-7902). If there is no response phone 575-361-2822.
- 10) Also submit to this office a (Sundry Form 3160-5) Notice of Intent (NOI) for planned well work involving a formation change, casing repair/replacement, and injection well fracture treatment for approval by BLM and NMOCD. Verbal approval for the plan may be given by a BLM authorized officer, with the NOI filed within five business days. Packer and tubing repair (normal maintenance procedures) do not require a NOI, but a subsequent sundry needs to be filed. http://www.blm.gov/nm/st/en/prog/energy/oil_and_gas.html (see CFR § 3162.3-2 43 & CFR § 3160.0-9 (c)(1)).
 - a) Submit a (Sundry Form 3160-5) subsequent report (daily reports) describing all wellbore activity and Mechanical Integrity Test as per item 1) above. Include the date(s) of the well work, and the setting depths of required equipment: internally corrosive protected tubing, tubing on/off equipment just above the packer, and an in line tubing check valve below the packer or between the on/off tool and packer is required. The setting depths and descriptions of each are to be included in the subsequent sundry. List (by date) descriptions of daily activity of any previously unreported wellbore workover.

Use of Form 3160-5 “Sundry Notices and Reports on Wells”

§ 43 CFR 3162.3-2 Subsequent Well Operations.

a) A proposal for further well operations shall be submitted by the operator on Form 3160–5 for approval by the authorized officer prior to commencing operations to redrill, deepen, perform casing repairs, plug-back, alter casing, perform nonroutine fracturing jobs, recompleteness in a different interval, perform water shut off, commingling production between intervals and/or conversion to injection. If there is additional surface disturbance, the proposal shall include a surface use plan of operations. A subsequent report on these operations also will be filed on Form 3160–5. The authorized officer may prescribe that each proposal contain all or a portion of the information set forth in §3162.3–1 of this title.

(b) Unless additional surface disturbance is involved and if the operations conform to the standard of prudent operating practice, prior approval is not required for routine fracturing or acidizing jobs, or recompleteness in the same interval; however, a subsequent report on these operations must be filed on Form 3160–5.

(c) No prior approval or a subsequent report is required for well cleanout work, routine well maintenance, or bottom hole pressure surveys.

[47 FR 47765, Oct. 27, 1982. Redesignated and amended at 48 FR 36583–36586, Aug. 12, 1983, further amended at 52 FR 5391, Feb. 20, 1987; 53 FR 17363, May 16, 1988; 53 FR 22847, June 17, 1988]

§ 43 CFR 3160.0-9 (c)(1) Information collection.

(c)(1) The information collection requirements contained in part 3160 have been approved by the Office of Management and Budget under 44 U.S.C. 3507 and assigned the following Clearance Numbers:

Operating Forms

Form No.	Name and filing date	OMB No.
3160–3	Application for Permit to Drill, Deepen, or Plug Back—Filed 30 days prior to planned action	1004–0136
3160–4	With Completion of Recompleteness Report and Log—Due 30 days after well completion	1004–0137
3160–5	Sundry Notice and Reports on Wells—Subsequent report due 30 days after operations completed	1004–0135

The information will be used to manage Federal and Indian oil and gas leases. It will be used to allow evaluation of the technical, safety, and environmental factors involved with drilling and producing oil and gas on Federal and Indian oil and gas leases. Response is mandatory only if the operator elects to initiate drilling, completion, or subsequent operations on an oil and gas well, in accordance with 30 U.S.C. 181 *et seq.*

§ 3162.4-1 (c) Well records and reports.

Not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160–5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed.

NM Fed Regs & Forms - http://www.blm.gov/nm/st/en/prog/energy/oil_and_gas.html