Form 3160-5
(April 2004)

N.M. Oil Cons. DIV-Dist. 2
1301 W. Grand Avenue
Artesia, NM 88210

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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.

RECEIVED
NOV 0 1 2005
OCD-ARTESIA

5. Lease Serial No.
NM32636

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
34607

1. Type of Well
☑ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
Teledyne 12 Federal #1

2. Name of Operator **Range Operating New Mexico, Inc.** (227588)

9. API Well No.
30-015-33930

3a Address
777 Main Street Suite 800 Fort Worth, TX 76102

3b. Phone No. *(include area code)*
817-810-1908

10. Field and Pool, or Exploratory Area
East Loving Delaware (40370)

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*

At Surface: 990' FSL & 990' FWL Sec. 12, T23S, R28E
At Proposed Prod. Zone: 990' FSL & 990' FWL Sec. 12, T23S, R28E

11. County or Parish, State
Eddy, 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
	☐ 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.)

1. MIRU Adobe Rig #2. 2. Perform Rig Safety Inspection. 3. Notify NMOCD of intent to spud 6-27-05 11:00 AM, (Gene Hunt). 4. Spud well 06/28/05 10:00 AM with 12.25 mill tooth bit. 5. Drill 12 1/4" hole to 248', Survey @ 183' 1°. 6. Drill 12 ¼" hole to depth of 461', Survey @ 406' 1°, Drill hole to depth of 595', Survey @ 570' 1°. 7. Circulate hole clean, sweep & condition, 8. Notify BLM of intent to run surface casing 6-28-05 1:00 PM, (Gene Hunt). RU & run 14 Jts 8.625" 24# J-55 STC csg to 591'. 9. Notify BLM of cmt csg @ 7:00 PM hrs 6-28-05 (Gene Hunt). RU Schlumberger, Test lines T/ 1500. Cement csg w/ 550 sx. Dropped plug, displace w/ 35 bbl H2O. Bumped plug w/ 500 psi. Checked float, ok. Bumped plug @ 21:30 6-28-05. WOC. Clean pits & fill same w/ 10# brine wtr. Cut conducter & 8 5/8 csg. Install WH & test T/ 1000 psi circulated to surface. WOC 24 hrs. 10. Test head to 1000 psi, ok. NU BOP. RU tester & test BOP blind rams & choke manifold 250# low & 2000# high, ok. Pressure test csg to 1000 psig for 30 min, good test. 11. Drill 7 7/8" hole taking deviation surveys every +500' to TD @ 6490'. PBTD @ 6399'. 12. RU Halliburton and run logs; GR/ CCL / Spectral Density/DS Neutron/ DLL/MGRD per Geologist. 13. Run and set 5 ½" casing @ 6487''. 14. Circ 5 1/2" csg @ 6487. Test lines @ 3000 psi, ok. 14) Cement the production casing as follows. Re-figure cement volumes on a basis of: caliper + 20% + 50 sx. Precede Cement with 20 bbl fresh water, 500 gals superflush, 20 bbl fresh water. Cmt detail 1st stg; Slurry: PVL Cement + 0.3% D-167 + 0.2% D-65 +0.1% D-13 +0.2% D46 + 4#/sk D-24 + 1#/sk D-44. Bump plug w/500 psi. Chk flow back, none, plug held. Cmt detail 2nd stg; Slurry: 65/35 (Class C/POZ) + 6% D-20 + 5% D-44 + 0.3% S-1 + 4#/sk D-24 + 0.25#/sk Slurry Weight: 12.4 ppg Slurry Yield: 2.21 cuft/sk Water: 12.11 gals/sk, bump plug w/800 psi. Chk flow back, none. PD @ 18:00. Set slips on 5 1/2" csg / cut 5 1/2" csg . NUWH. Test to 1000 psi , good test. Clean mud pits. RR @ 22:00 hrs 7-9-05.

14. I hereby certify that the foregoing is true and correct
Name *(Printed/Typed)*
Linda C. Stiles

Title **Sr. Engineering Tech.**

Signature *Linda C. Stiles*

Date **09/19/2005**

ACCEPTED FOR RECORD
OCT 31 2005
LES BABYAK
PETROLEUM ENGINEER

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 U.S.C. Section 1001 and Title 43 U.S.C. 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)

State of New Mexico
Energy, Minerals and Natural Resources Department

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240

DISTRICT II
1301 W. GRAND AVENUE, ARTESIA, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Form C-102
Revised JUNE 10, 2003
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code	Pool Name

Property Code	Property Name	Well Number
	TELEDYNE 12 FEDERAL	1
OGRID No.	**Operator Name**	**Elevation**
	R.B. OPERATING	2995'

Surface Location

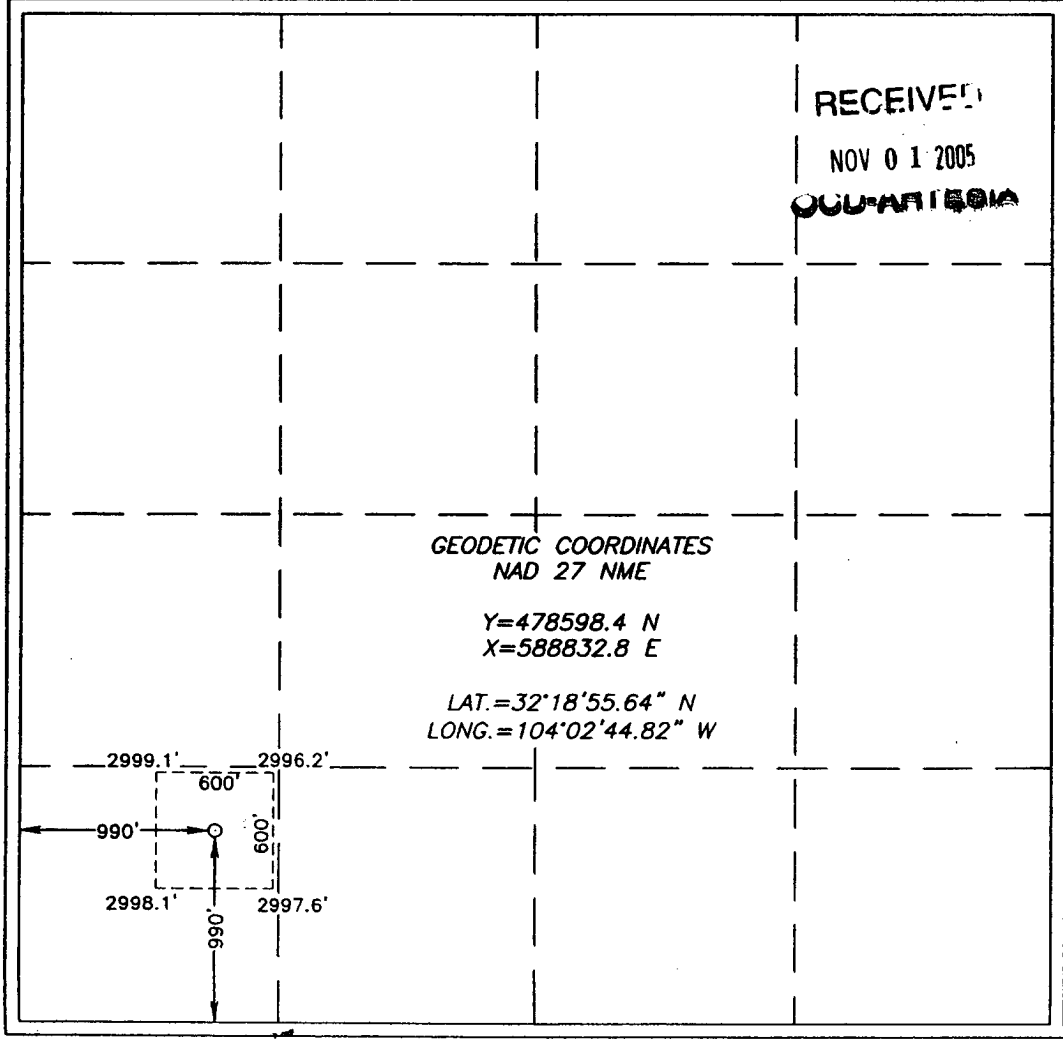
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	12	23-S	28-E		990	SOUTH	990	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION

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

D K Robinson
Signature

D K ROBINSON
Printed Name

Drlg Mgr
Title

11/30/04
Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervison, and that the same is true and correct to the best of my belief.

OCTOBER 12, 2004
Date Surveyed LA

Signature & Seal of Professional Surveyor

RONALD J. EIDSON
NEW MEXICO
REGISTERED PROFESSIONAL SURVEYOR

Donald J. Eidson 10/19/04
04.11.1329

Certificate No. RONALD J. EIDSON 3239
GARY L. EIDSON 12641

Completion

1. Dress off location. Install 5,000 psi flange. NU 5,000 psi full opening master valve. Test valve and casing to 3800 psi.

2. MIRU WLU. PU & RIH with 3 3/8" expendable gamma gun with CCL loaded 2 spf, 90 deg phase with at least 20 gm charges and an EHD of at least 0.37". RIH to PBTD. Pull strip from TD to +/- 4500'. Correlate to get on depth and perforate the Brushy Canyon "C" & "D" interval(s):

   6,240' to 6,250'
   6,182' to 6,192'

3. POOH. RDMO WLU. Breakdown perforations at 2 to 5 bpm with 20 bbls of fluid. SD, record ISIP and pressure every 5 min for 30 min. RDMO kill truck.

4. MI 4 clean frac tanks filled with 500 bbls each of Carlsbad city water.

5. MIRU WLU before frac equipment or leave space for WLU to get in and out of location. MIRU Schlumberger frac equipment and frac Brushy Canyon "C" & "D" sands as per frac design.

6. Start refilling frac tanks ASAP until there is 1100 bbls of usable water.

7. NU lubricator and RIH with CCL and 5 ½" CIBP. RIH and set CIBP @ +/- 6,000'. POOH.

8. PU & RIH with 3 3/8" expendable gun (no gamma needed) with CCL loaded 2 spf, 90 deg phase with at least 20 gm charges and an EHD of at least 0.37". Pull strip to get on depth and perforate the Brushy Canyon "AA" interval(s):

   5,912' to 5,922'
   5,866' to 5,876'

9. ND lubricator, NU treating lines and retest lines to 5,000 psi.

10. Frac Brushy Canyon "AA" sand as per frac design.

11. RDMO frac equipment and WLU. Flow well to tank until it dies.

12. MIRU WOR immediately after frac equipment has left location. TIH with bit and 3 drill collars, wash to top of plug and drill up same. Clean to PBTD, circulate 2 hole volumes and TOOH.

13. TIH with TAC on 2 7/8" tubing and SN (set SN 50' above top perforation). BHA should consist of purge valve, 40' x 3 1/2" MHMA. ND BOP and NU pumping tee. Run pump with Stanley filter, rods with scrapers on top 2200' of 7/8" rods, rotator and POP. (check rod design and optimize unit speed for maximum fluid delivery)

INCLINATION REPORT

1. FIELD NAME	2. LEASE NAME
East Loving Delaware	Teledyne 12 Fed. #1

3. OPERATOR
Range Resources

4. ADDRESS
777 Main Street, Ft. Worth, Tx. 76102

5. LOCATION (Section, Block, and Survey)
Sec 12, T-23-S, R-28-E, Chaves, N.M.

RECORD OF INCLINATION

*11. Measured Depth (feet)	12. Course Length (Hundreds of feet)	*13. Angle of Inclination (Degrees)	14. Displacement per Hundred Feet (Sine of Angle x 100)	15. Course Displacement (feet)	16. Accumulative Displacement (feet)
183	183	1.00	1.75	3.20	3.20
406	223	1.00	1.75	3.90	7.10
557	151	1.00	1.75	2.64	9.74
840	283	0.75	1.31	3.70	13.44
1127	287	0.25	.44	1.26	14.70
1418	291	2.00	3.49	10.15	24.85
1673	255	1.00	1.75	4.46	29.31
1960	287	1.25	2.18	6.25	35.56
2247	287	1.75	3.05	8.75	44.31
2534	287	1.75	3.05	8.75	53.06
3234	700	1.50	2.62	23.38	76.44
3715	481	2.00	3.49	16.78	93.22
4191	476	1.00	1.75	8.33	101.55
4671	480	1.00	1.75	8.40	109.95
5149	478	2.00	3.49	16.68	126.63
5649	500	2.00	3.49	17.45	144.08
6255	606	1.00	1.75	10.60	154.68
6450	195	1.00	1.75	8.66	163.34

Accumulative total displacement of well bore at total depth of 6450' 163.34 feet.

Inclination measurements were made in : ☐ Tubing ☐ Casing Open Hole ☒

Signature of Authorized Representative	Signature of Authorized Representative
L.V. Bohannon	Linda C. Stiles
Name of Person and Title (type or print)	Name of Person and Title (type or print)
Adobe Drilling	Range Operating New Mexico, Inc.
Name of Company	Name of Company
Telephone 432-552-5553	Telephone (817) 810-1908
Area Code	Area Code

Certified By _____ *Date* _____

Rhonda Dutton 7-11-05

PRECISION ENERGY SERVICES

MICROSPHERICALLY FOCUSED
DUAL LATEROLOG

COMPANY RB OPERATING COMPANY
WELL TELEDYNE "12" FEDERAL #1
FIELD EAST LOVING DELAWARE
COUNTY EDDY
STATE NEW MEXICO

COMPANY RB OPERATING COMPANY

WELL TELEDYNE "12" FEDERAL #1

FIELD EAST LOVING DELAWARE

COUNTY EDDY

STATE NEW MEXICO

Location 990' FSL & 990' FWL
SEC 12, T23S, R28E

API 30-015-33930
SEC. 12 TWP 23S RGE 28E

Other Services:
SPED/CNT

Perm. Datum G.L. Elev. 2995 ft
Log measured from K.B. , 13 ft above Permanent Datum.

ELEV. K.B. 3008 ft
D.F. 3007 ft
G.L. 2995 ft

Date	JULY 08, 2005		
Run No.	ONE		
Bot. Driller	6490 ft.	ft.	ft.
Bot. Logger	6500 ft.	ft.	ft.
First Reading	6498 ft.	ft.	ft.
Last Reading	2500 ft.	ft.	ft.
Log Interval	3998 ft.	ft.	ft.
Csg. Driller	8.625 in.@ 591 ft.	in.@ ft.	in.@ ft.
Csg. Logger	590 ft.	ft.	ft.
Bit Size	7.875in.	in.	in.
Fluid Type	SALT GEL		
Dens. / Visc.	10.0 lbm/gal / 29 s	lbm/gal / s	lbm/gal / s
pH / Fluid Loss	10.0 / N/A cc	/ cc	/ cc
Sample Source	MUD PIT/MEASURED		
Rm @Temp.-meas	0.04 ohm-m @ 84 °F	ohm-m @ °F	ohm-m @ °F
Rmf @Temp.-meas	N/A ohm-m @ N/A °F	ohm-m @ °F	ohm-m @ °F
Rmc @Temp.-meas	N/A ohm-m @ N/A °F	ohm-m @ °F	ohm-m @ °F
Rm @BHT -calc	0.03 ohm-m @ 116 °F	ohm-m @ °F	ohm-m @ °F
Rmf @BHT -calc	N/A ohm-m @ N/A °F	ohm-m @ °F	ohm-m @ °F
Last Circ.	JULY 08 - 1145 hrs.	- hrs.	- hrs.
Max Rec. Temp	116°F	°F	°F
Operating Time	4.0 hrs.	hrs.	hrs.
Unit# / Loc.	373 / ODESSA	/	/
Recorded By	G. ROBEY		
Witnessed By	M. METCALF		

PRECISION ENERGY SERVICES

SPECTRAL PE DENSITY
COMPENSATED NEUTRON LOG

COMPANY RB OPERATING COMPANY
WELL TELEDYNE "12" FEDERAL #1
FIELD EAST LOVING DELAWARE
COUNTY EDDY
STATE NEW MEXICO

COMPANY RB OPERATING COMPANY

WELL TELEDYNE "12" FEDERAL #1

FIELD EAST LOVING DELAWARE

COUNTY EDDY STATE NEW MEXICO

Location 990' FSL & 990' FWL
SEC 12, T23S, R28E

Other Services:
MSFL/DLL

API 30-015-33930
SEC. 12 TWP 23S RGE 28E

Perm. Datum G.L. Elev. 2995 ft
Log measured from K.B. , 13 ft above Permanent Datum.

ELEV. K.B. 3008 ft
D.F. 3007 ft
G.L. 2995 ft

Date	JULY 08, 2005		
Run No.	ONE		
Bot. Driller	6490 ft.	ft.	ft.
Bot. Logger	6500 ft.	ft.	ft.
First Reading	6463 ft.	ft.	ft.
Last Reading	150 ft.	ft.	ft.
Log Interval	6313 ft.	ft.	ft.
Csg. Driller	8.625 in.@ 591 ft.	in.@ ft.	in.@ ft.
Csg. Logger	590 ft.	ft.	ft.
Bit Size	7.875in.	in.	in.
Fluid Type	SALT GEL		
Dens. / Visc.	10.0 lbm/gal / 29 s	lbm/gal / s	lbm/gal / s
pH / Fluid Loss	10.0 / N/A cc	/ cc	/ cc
Sample Source	MUD PIT/MEASURED		
Rm @Temp.-meas	0.04 ohm-m @ 84 °F	ohm-m @ °F	ohm-m @ °F
Rmf @Temp.-meas	N/A ohm-m @ N/A °F	ohm-m @ °F	ohm-m @ °F
Rmc @Temp.-meas	N/A ohm-m @ N/A °F	ohm-m @ °F	ohm-m @ °F
Rm @BHT -calc	0.03 ohm-m @ 116 °F	ohm-m @ °F	ohm-m @ °F
Rmf @BHT -calc	N/A ohm-m @ N/A °F	ohm-m @ °F	ohm-m @ °F
Last Circ.	JULY 08 - 1145 hrs.	- hrs.	- hrs.
Max Rec. Temp	116°F	°F	°F
Operating Time	4.0 hrs.	hrs.	hrs.
Unit# / Loc.	373 / ODESSA	/	/
Recorded By	G. ROBEY		
Witnessed By	M. METCALF		